

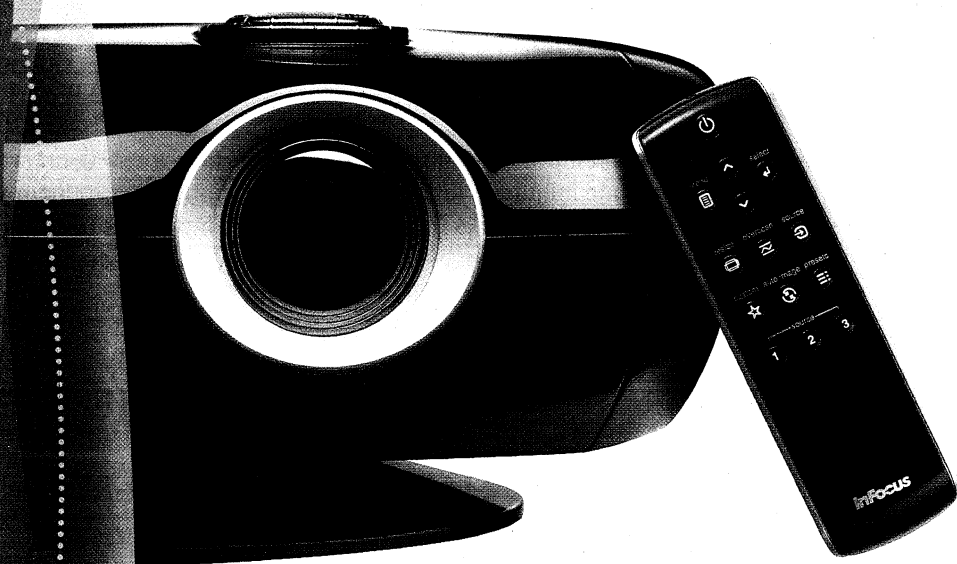
IN70 SERIES



InFocus

User's Guide English

Français – voir la brochure
Deutsch – siehe Broschüre
Español – ver folleto
Italiano – vedi opuscolo
Nederlands – zie boekje
Norsk – se heftet
Português – consulte livreto
Русский – см. буклет
日本語- ブックレットを参照
한국어 – 소책자 참조
中文 (简体) – 见手册
繁體中文 – 請參閱手冊



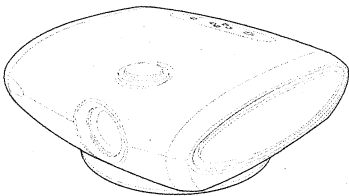


Please read the safety instructions booklet before setting up the projector.

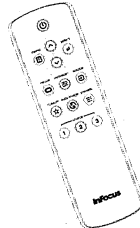
1

Unpack the box

Here's what's included:



Projector



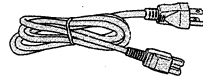
Remote



CD-ROM



Composite Video Cable



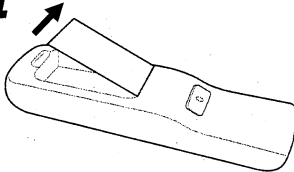
Power Cord

2

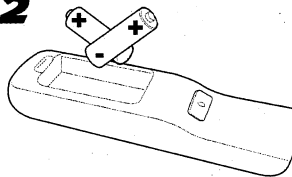
Put batteries in the remote

The remote uses 2 AA batteries.

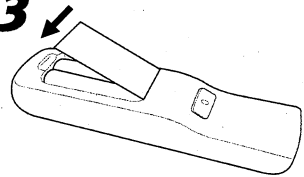
1



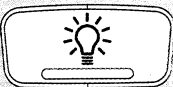
2



3



Please dispose of batteries in an environmentally proper manner.



Remote illumination

Tap the button on the bottom of the remote for backlight, hold it down for flashlight*

*Illumination features may not be available on all models

3

Connect source

You can connect more than one source if needed.

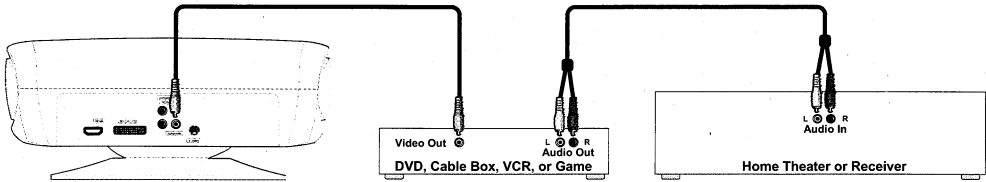
Connection How-To Guides
www.infocus.com/service/howto

Connect to: **DVD, Cable Box, VCR, or Game**

★ Basic

Composite Video Cable (included)

Stereo Audio Cable* (not included)



*www.infocus.com/store part no. **SP-RCAUD-5M**

OR

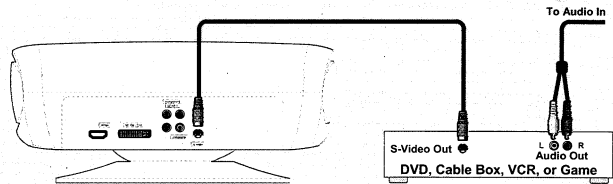
Use optional cables (not included) for improved video quality

Connect to: **DVD, Cable Box, VCR, or Game**

★★ Good

Use: **S-Video Cable**

Separates color from brightness to improve quality.



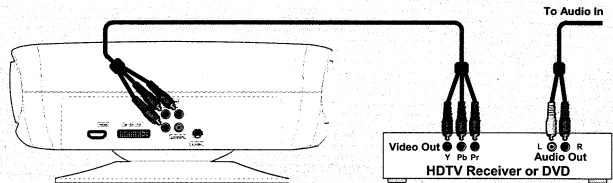
www.infocus.com/store part no. **SP-SVIDEO-10M**

Connect to: **HDTV Receiver or DVD**

★★★ Better

Use: **Component Video Cable**

Separates all color signals for better color accuracy. HDTV compatible.



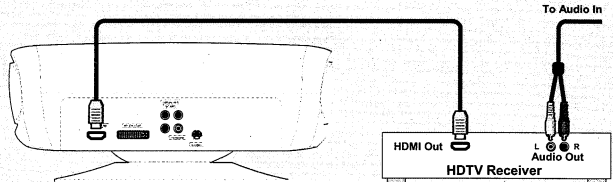
www.infocus.com/store part no. **SP-CPNT**

Connect to: **HDTV Receiver**

★★★★ Best

Use: **HDMI Cable**

100% Digital connection.
HDTV compatible.

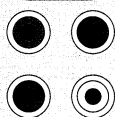


www.infocus.com/store part no. **SP-HDMI**

Connect to: **SCART Source**

Use: **SCART to RGBS Cable** (RGB with sync)

component
SCART



- 1 Connect 4 color-coded connectors to corresponding connectors on projector.
- 2 Enable SCART RGB in the Source Enable menu (Settings > Sources > Source Enable).

Connect to: **DVI Source**

Use: **M1 to DVI Cable**
100% digital connection.

M1-DA / DVI



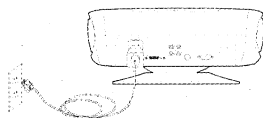
Connect the cable to the projector's M1-DA/DVI connector.

www.infocus.com/store part no. SP-DVI-D

4

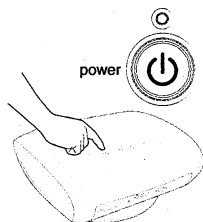
Turn on projector and source

1 Connect the power cord to the projector and to an electrical outlet



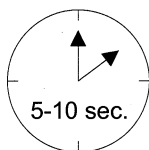
The green light on the projector near the power button will turn on.

2 Turn on the projector



Press **power** (on the projector or remote). The green light on the projector will start blinking.

3 Wait for the lamp to warm up

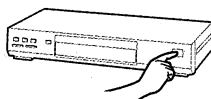


After a few seconds, the green light will stop blinking and stay on. It can take a minute for the lamp to reach full brightness.



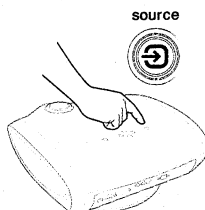
WARNING: Do not look directly into the lens when the projector is turned on.

4 Turn on the source device



Turn on your DVD player, cable box, VCR, game, or HDTV receiver.

5 Select the video source



If needed, press **source** (on the projector or remote) to view the source. You may have to press it more than once.

Turn over



5

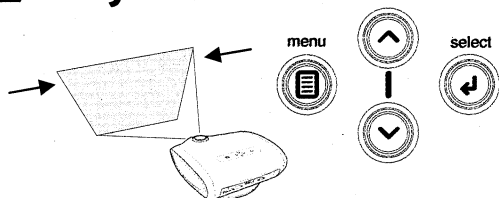
Adjust the picture

1 Height



Tilt the projector up or down.

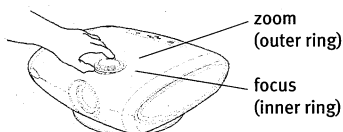
2 Keystone



To make the picture square:

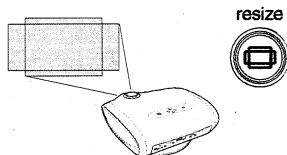
- 1 Press **menu** (on projector or remote).
- 2 Press **▼** or **▲** to highlight **Picture**, then press **select**.
- 3 Press **▼** or **▲** to highlight **Keystone**, then press **select**.
- 4 Press **▼** or **▲** to adjust keystone.
- 5 Press **menu** to exit.

3 Zoom and focus



Adjust zoom first, then focus the center of the image.

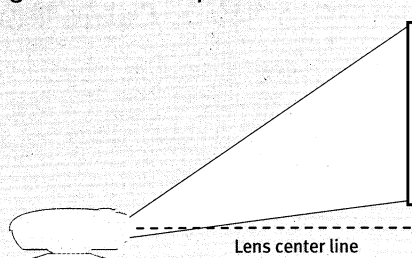
4 Aspect ratio



Press **resize** (on the remote) to make the picture wider (16:9) or narrower (4:3).

Projector location

As distance increases, the image gets larger and moves upwards.



Interactive Screen Size and Distance Calculator
www.infocus.com/calculator

IN72

Diagonal Screen Size	Distance to Screen	
	Minimum	Maximum
60" / 1.5 m	7'10" / 2.4 m	9'4" / 2.8 m
80" / 2 m	10'5" / 3.2 m	12'4" / 3.8 m
92" / 2.3 m	12' / 3.7 m	14'2" / 4.3 m
150" / 3.8 m	19'6" / 5.9 m	23'1" / 7 m

IN74/IN76

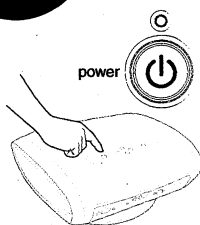
Diagonal Screen Size	Distance to Screen	
	Minimum	Maximum
60" / 1.5 m	6'7" / 2 m	8'4" / 2.5 m
80" / 2 m	8'10" / 2.7 m	11'1" / 3.4 m
92" / 2.3 m	10'1" / 3.1 m	12'10" / 3.9 m
150" / 3.8 m	16'5" / 5 m	20'10" / 6.3 m

Buy a Screen and Other Custom Accessories

www.infocus.com/store

6

Turn off the projector



Press the power button

The green light on the projector will blink while the fan cools the lamp. **If you need to unplug the projector**, wait until the fan stops and the green light stops blinking and stays on.

NOTE: While the green light is blinking, button presses on the projector and remote are ignored.

7

Register with InFocus

It's quick, easy, and secure.

Activate your warranty to ensure eligibility for service and support. Get special offers and notifications about free product updates.

1 Write down your projector's serial number

It's printed on the label on the back of the projector. You'll need it to register (and if you ever need to contact InFocus support).

Serial number:

.....

2 Go to www.infocus.com/register

8

Read the Reference Guide

and visit the InFocus web site

Insert the CD-ROM, or go to www.infocus.com/service

The Reference Guide is on the CD-ROM in multiple languages. It covers advanced setup and operation, including lamp replacement instructions. The Reference Guide is also available at www.infocus.com/service

Windows* users: The CD-ROM also includes links to the InFocus web site, including shopping for custom accessories, service & support, and an interactive screen size/distance calculator.

Troubleshooting

There is no picture or the image is blank

Check power

If the light on the projector near the power button is off, make sure the power cord is connected and plugged into a working electrical outlet.

If the light is green and **not** blinking, press the **power** button.

Check video source and cables

Make sure the video source (DVD player, cable box, VCR, game, HDTV receiver, etc.) is turned on and cables are securely connected between the source and the projector.

Press the Source button (on projector or remote)

You may need to press it several times to view the correct source.



Press the Auto Image button (on remote)

auto image



The picture is unstable or distorted, or "Signal out of range" is displayed

Press the Auto Image button (on remote)

auto image



The light on the projector is blinking red

Check air vents and lamp

Turn off the projector and remove anything that may be blocking its air vents. Leave the projector off for at least one minute to let it cool, then turn it on again. If the projector lamp won't light and the red light starts to blink again, the lamp needs to be replaced.

For lamp replacement instructions, see the Reference Guide, which is on the included CD-ROM or can be downloaded at www.infocus.com/service

More troubleshooting options are in the Reference Guide

**The Reference Guide is on the included CD-ROM,
or download it at www.infocus.com/service**



WARNING: In the unlikely event of a lamp rupture, particles may be ejected from the projector. Keep out of the area under and around the projector when it is turned on. See the safety instructions booklet for more details.

Questions? InFocus is here to help!

Visit us at:
www.infocus.com/service

InFocus is here to support you with your new purchase. We can help you with...

- Determining screen sizes
- Documentation in other languages
- Connecting your sources (TV, DVD, Cable/Satellite, Game, etc.)
- Selecting optional accessories
- Product warranty protection plans

USA, Canada, Latin America
Customer Support Telephone
+1 (503) 685-8888
TOLL FREE: 800-799-9911
Mon-Fri, 7 am – 5 pm Pacific
techsupport@infocus.com

Asia Pacific
Customer Support Telephone
Singapore: +65 63539449
China: 800.828.2268
Australia: 1300-725-295
Australia Direct Sales: 1800-885-841
Mon-Fri, 9 am – 6 pm SGT
asia-support@infocus.com

Europe, Middle East, Africa
Customer Support Telephone
+31 (0)20 579 2820
Mon-Fri, 08:00 – 18:00 CET
emea.support@infocus.com

Warning: This product has a lamp which contains a very small amount of mercury. Dispose of it as required by local, state, or federal ordinances and regulations. For more information, see www.eiae.org.

Declaration of Conformity

Manufacturer: InFocus Corporation, 27700B SW Parkway Ave. Wilsonville, Oregon 97070 USA

European Office: Strawinskylaan 585, 1077 XX Amsterdam, The Netherlands

We declare under our sole responsibility that this projector conforms to the following directives and norms: EMC Directive 89/336/EEC, Amended by 93/68/EEC, EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, Low Voltage Directive 73/23/EEC, Amended by 93/68/EEC, Safety: IEC 60950-1:1st Edition

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FCC Warning

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Agency Approvals

UL, CUL, NOM, IRAM, GOST, C-tick

Other specific Country Approvals may apply. Please see product certification label.

InFocus reserves the right to alter product offerings and specifications at any time without notice.

IN72/IN74/IN76



Reference Guide



Declaration of Conformity

Manufacturer: InFocus Corporation, 27700B SW Parkway Ave. Wilsonville, Oregon 97070 USA

European Office: Strawinskylaan 585, 1077 XX Amsterdam, The Netherlands

We declare under our sole responsibility that this projector conform to the following directives and norms:

EMC Directive 89/336/EEC, Amended by 93/68/EEC

EMC: EN 55022

EN 55024

EN 61000-3-2

EN 61000-3-3

Low Voltage Directive 73/23/EEC, Amended by 93/68/EEC

Safety: IEC 60950-1: 1st Edition

December, 2005

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FCC Warning

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.

Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Agency Approvals

UL, cUL, TUV, GOST

Other specific Country Approvals may apply. Please see product certification label.

This document applies to models IN72, P720, IN74, P740, IN76, and P760.

InFocus reserves the right to alter product offerings and specifications at any time without notice.

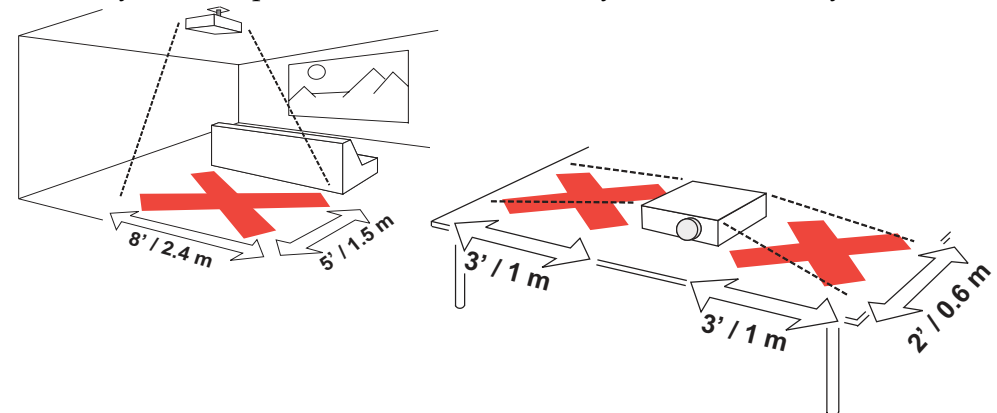
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Important Operating Considerations for Safety

- Place the projector in a horizontal position no greater than 15 degrees off axis.
- Locate the projector in a well-ventilated area without any obstructions to intake or exhaust vents. Do not place the projector on a tablecloth or other soft covering that may block the vents.
- Locate the projector at least 4' (1.2 m) away from any heating or cooling vents.
- Use only InFocus-approved ceiling mounts.
- Use only the power cord provided. A surge-protected power strip is recommended.
- Refer to this guide for proper startup and shutdown procedures.
- This product has a lamp which contains a very small amount of mercury. Wash hands after cleaning the area and handling the ruptured lamp. Dispose of it as required by local, state or federal ordinances and regulations. For more information see www.eiae.org.
- In the unlikely event of a lamp rupture, particles may exit through the projector side vents. When the projector is turned on, keep people, food, and drinks out of the "keep out" area under and around the projector, as indicated by the "X" areas below.

Follow these instructions to help ensure image quality and lamp life over the life of the projector. Failure to follow these instructions may affect the warranty. For complete details of the warranty, see the Warranty booklet.



Introduction

Your new InFocus projector is specifically designed for home theater applications. It sets a high standard using the latest DLP™ technology and new DNX video processing from Pixelworks™. Whether you are watching movies or High Definition broadcasts or playing the latest video game, you will enjoy amazing image quality. The unique design and color of the projector make it a welcome addition to your home.

The projector is available in 3 different resolutions:

- IN72 has 854x480 resolution (480p)
- IN74 has 1024x576 resolution (576p)
- IN76 has 1280x720 resolution (720p)

This advanced reference guide covers all 3 models. Differences between the models are noted.

Product specifications

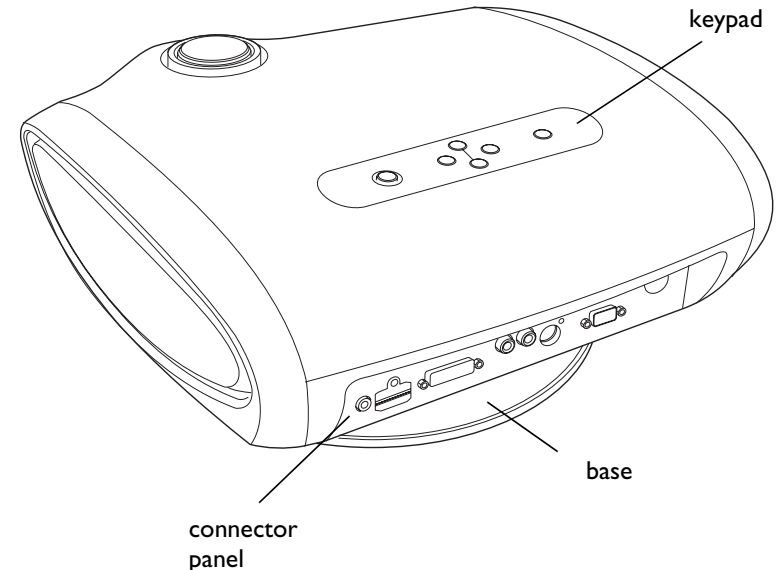
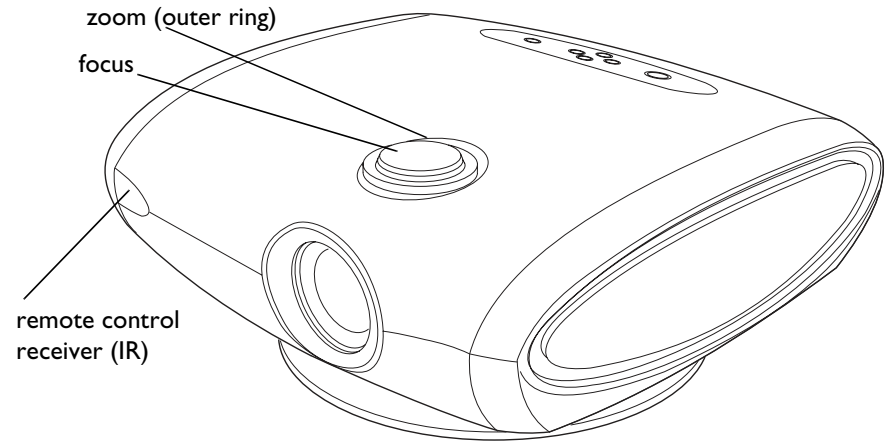
To read the latest specifications, be sure to visit our website at www.infocus.com as specifications are subject to change.

Accessories

The standard accessories that came with your projector are listed on the included user's guide. Optional accessories can be found on our website at www.infocus.com or at your retailer or dealer.

Online Registration

Register your projector on our website at www.infocus.com/register to activate your warranty and receive product updates, announcements, and registration incentives.



Connector Panel

The projector provides the following connection options:

- M1-DA/DVI (Digital Visual Interface)
- HDMI™ (High Definition Multimedia Interface)
- Component (RCA)
- SCART RGB (you must enable this connector, see page 26)
- S-video
- Composite video (RCA)

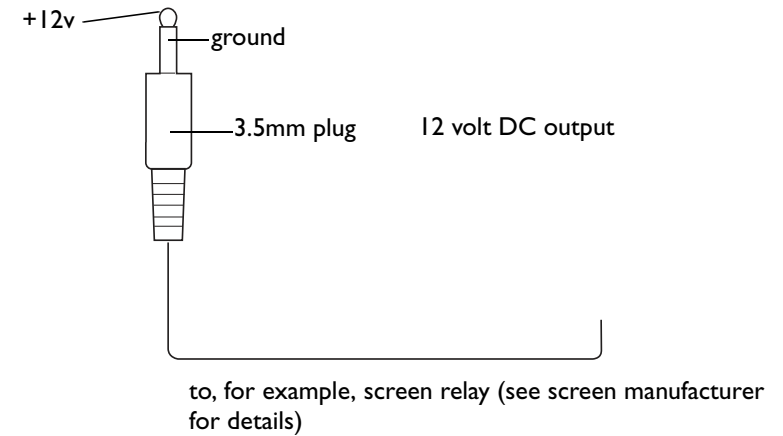
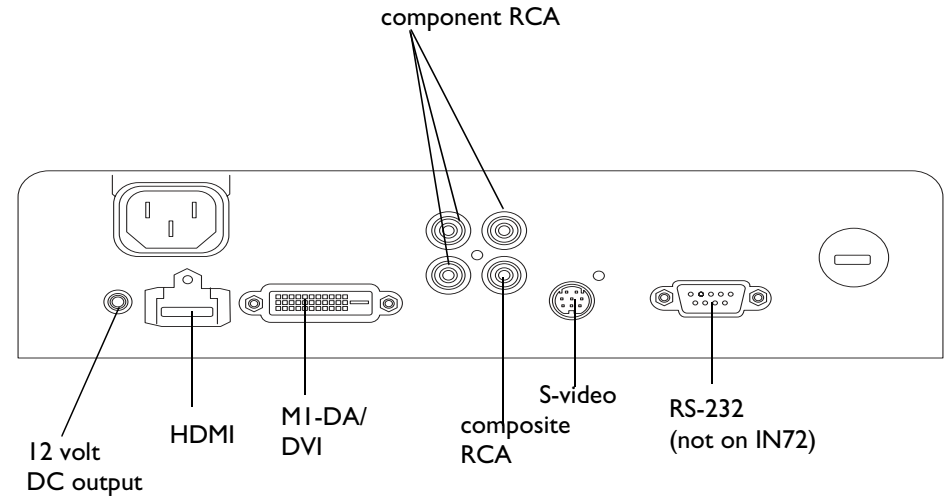
See “Video connectors” on page 7 for details.

The projector also provides the following connectors:

- RS-232 for serial control (not included on the IN72)
- 12 volt DC output (see below)

12 volt DC output

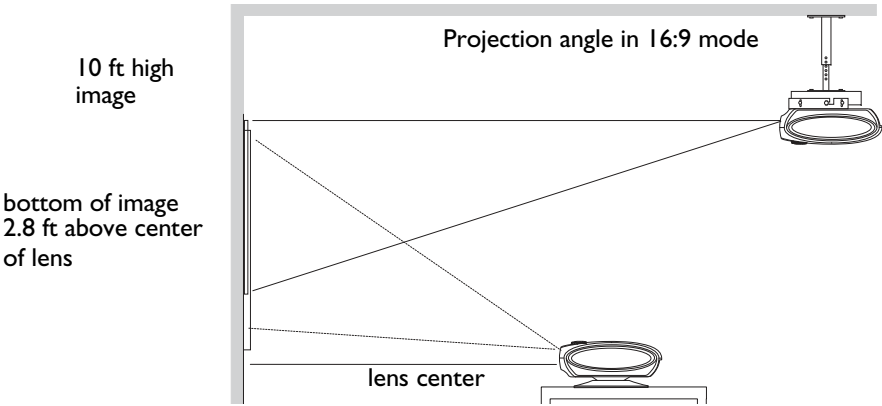
The 3.5mm mini-jack trigger provides a 12 volt, 0.25 amp DC output. It provides a constant output while the projector is on. It has numerous uses. For example, if you connect your projection screen to the 12 volt DC output with the cable that came with your screen, when you turn on the projector the screen will move down; when you turn the projector off, the screen will return to the storage position.



Positioning the projector

To determine where to position the projector, consider the size and shape of your screen, the location of your power outlets, and the distance between the projector and the rest of your equipment. Here are some guidelines:

- Position the projector on a flat surface at a right angle to the screen. The projector must be at least 4.9 feet (1.5m) from the projection screen.
- For safety reasons, position the projector within 10 feet (3m) of your power source (running extension cables may introduce a trip hazard). To ensure adequate cable access, do not place the projector within 6 inches (.15m) of a wall or other object.
- If you are installing the projector on the ceiling, refer to the installation guide that comes with the Ceiling Mount Kit for more information. To turn the image upside down, see “Ceiling” on page 26. We recommend using an InFocus authorized ceiling mount.
- Position the projector the desired distance from the screen. The distance from the lens of the projector to the screen, the zoom setting, and the video format determine the size of the projected image.
- The image offset is 128% for the IN72. This means that if you have an image 10’ high, the bottom of the image will be 2.8’ above the center of the lens. For the IN74 and IN76, the image offset is 115%.



*Table 1:
Range of distance to the screen for a given screen size
for the IN72*

Diagonal Screen Size (inches/m)	Distance to screen	
	Maximum distance (feet/m)	Minimum Distance (feet/m)
60/1.5	9.3/2.8	7.8/2.4
80/2	12.3/3.8	10.4/3.2
92/2.3	14.2/4.3	12/3.7
150/3.8	23.1/7	19.5/5.9

*Table 2:
Distance to the screen for a given screen size for the
IN74/IN76*

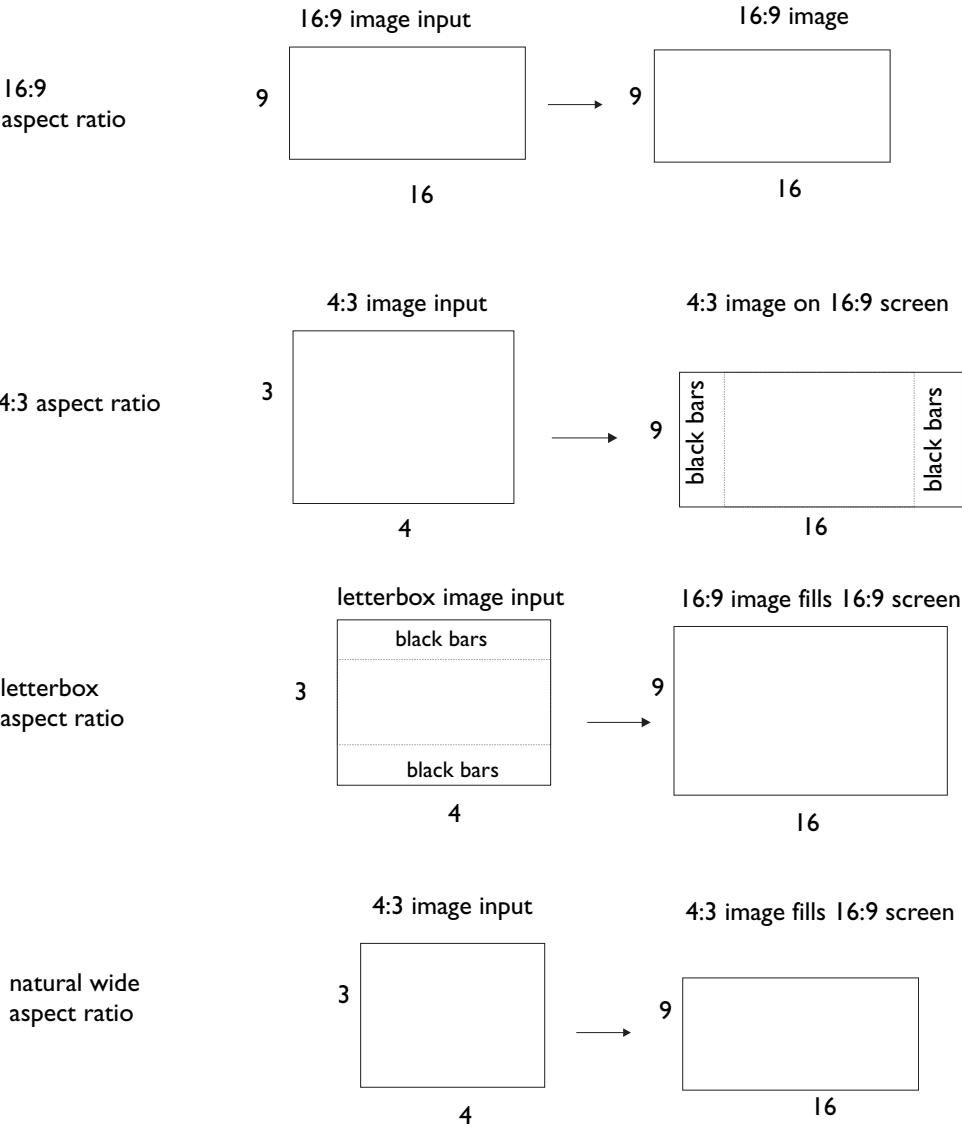
Diagonal Screen Size (inches/m)	Distance to screen	
	Maximum distance (feet/m)	Minimum Distance (feet/m)
60/1.5	8.3/2.5	6.6/2
80/2	11.1/3.4	8.8/2.7
92/2.3	12.8/3.9	10.1/3.1
150/3.8	20.8/6.3	16.4/5

NOTE: Visit the Service section of our website at www.infocus.com/calculator for an interactive image size calculator.

Choosing the aspect ratio

Aspect ratio is the ratio of the image width to image height. HDTV and most DVDs are 16:9, which is the default for this projector. When in 4:3 mode the projector places black bars on both sides of the image. Native mode centers the image and turns off the internal scaler so that any resolution larger than the native projector resolution is cropped on the edges. Letterbox expands the image to fill the screen.

What you plan to project will also help you choose between 4:3 and 16:9. For example, most TV shows are 4:3, while most movies are 16:9. If you have a 16:9 screen, then you should select an aspect ratio of 16:9 for anamorphic movies and HDTV, and Native for 4:3 content. If you have a 4:3 screen you should still use 16:9 for anamorphic movies or HDTV, but you also have the option of using 4:3, Native, or Natural Wide for 4:3 content. Keep in mind that anamorphic movies only appear correctly if the DVD player is set to output to a 16:9 television. Natural Wide stretches a 4:3 image to fill the entire 16:9 screen. The center two-thirds of the image is unchanged; the edges of the image are stretched.

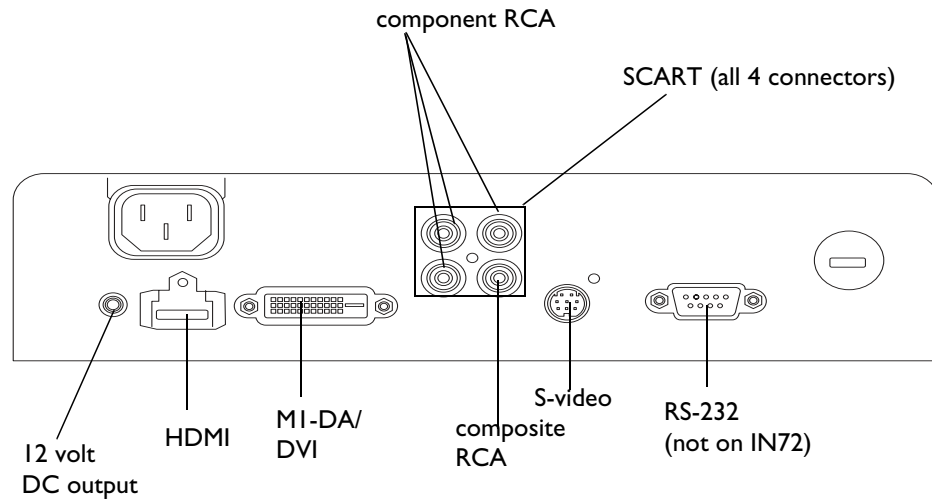


Video connectors

The first step for connecting video is determining what type of output connectors your video device has. If there is more than one output, select the one with the highest quality. The best quality ranking, with **1** being the highest, is:

- 1** M1-DA/DVI or HDMI (both are digital inputs)
- 2** component /SCART RGB video (RCAs)
- 3** S-video
- 4** composite video (RCA)

If your device has a VGA connector, you can use the M1-DA/DVI connector for a high quality image. Many PC game systems have VGA connectors.



Connecting a video device

You can connect video devices such as VCRs, DVD players, camcorders, digital cameras, video game consoles, HDTV receivers, and TV tuners to the projector. Connect the audio from your video device to your stereo system to get sound.

You can connect the projector to most video devices that can output video. You cannot directly connect the coaxial cable that enters your house from a cable or satellite company, the signal must pass through a tuner first. Examples of tuners are digital cable boxes, VCRs, digital video recorders, and satellite TV boxes. Basically, any device that can change channels is considered a tuner.

A composite video cable is provided with your projector so you can quickly and easily connect a video source to the projector and see the amazing image that is displayed. Once you have determined a more permanent location for your projector, we recommend purchasing higher quality cables in the proper length to get the best image from your particular video equipment. High quality cables optimized for your projector can be purchased from www.infocus.com/store (in select areas) or from your dealer or retailer.

Composite (RCA) video connection

Plug the composite video cable's yellow connector into the video-out connector on the video device. Plug the other yellow connector into the yellow **Composite** connector on the projector.

S-video connection

If your video device uses a round, four-prong S-video connector, plug the S-video cable into the S-video connector on your video device and into the **S-video** connector on the projector.

Component (RCA) connection

If your device uses component connectors, plug a component video cable with red, green, and blue RCA connectors into the source device's component connectors and the **Component** connectors on the projector.

SCART RGB connection

SCART (from Syndicat des Constructeurs d'Appareils Radiorécepteurs et Téléviseurs) is a French-originated standard and connector for connecting audio and video equipment to display devices. The video signal is separated into its primary components for brighter, more accurate colors and sharper detail. You must enable this connector in the Source Enable menu to use it, see page 26. You will also need a SCART to 4-RCA adapter to connect to your SCART device.

Digital connections

The M1-DA/DVI and HDMI (High-Definition Multimedia Interface) connectors are digital and yield the highest quality image. It is common for these signals to be encrypted with HDCP (high-bandwidth digital-content protection). Your new projector ships standard with decryption codes so you can enjoy these high quality, all digital images.

This projector uses the M1-DA connector, which has the following advantages:

- allows connection to a digital DVI source
- allows connection to a component source
- allows connection to an analog computer source
- carries a USB control signal which allows you to easily update your projector's software as enhancements become available.
- has output pins that can power accessories.

The IN76 is an HDTV (High Definition Television) monitor, meaning it has vertical scanning lines of 720 progressive, 1080 interlaced or higher. The IN72 and IN74 are EDTV (Enhanced Definition Television) monitors, meaning they have vertical scanning lines of 480 progressive or higher. HD content can be displayed on an EDTV monitor, the resolution is just less than that of an HDTV.

DVI connection

If your video device uses a DVI connector, plug the DVI end of an M1-DA cable into the video-out connector on the video device. This connector may be labeled "To Monitor" on the video device. Plug the M1-DA end of the cable into the **M1-DA/DVI** connector on the projector.

HDMI connection

HDMI is a standard, uncompressed, all-digital audio/video interface. HDMI provides an interface between sources, such as set-top boxes, DVD players, and receivers and your projector. Plug an HDMI cable into the video-out connector on the video device and into the **HDMI** connector on the projector.

Note that the projector has no audio capabilities, so audio signals transferred through HDMI will not be audible.

Computer connections

You can connect a computer's VGA connector to the **M1-DA/DVI** input on the projector using an M1-A cable.

RS-232 connections (IN74 and IN76 only)

You can control the projector from an LCD control panel or computer by connecting an RS-232 cable to the projector's **Serial control** connector. Specific RS-232 commands can be found in the Service section of our website at **www.infocus.com/support**.

Displaying an image

Connect the power cord to the **Power** connector on the back of the projector and to your electrical outlet.

NOTE: Always use the power cord that shipped with the projector.

Press the **Power** button on the remote or keypad.

The LED flashes green and the fans start to run. When the lamp comes on, the start-up screen is displayed and the LED is steady green. It can take a minute for the image to achieve full brightness.

? No start up screen? Get help on page 13.

Plug in, connect, and turn on your video device.

The video device's image should appear on the projection screen. If it doesn't, press the **Source** button on the keypad until the image appears.

? No image? Try pressing the **Auto Image** button on the remote. Get help on page 13.

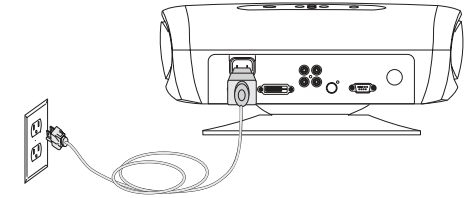
Adjusting the image

Adjust the height of the image by tilting the projector up or down.

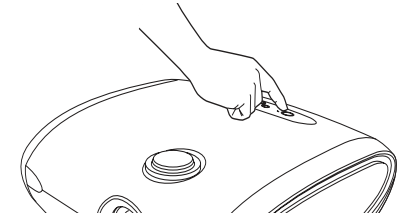
Position the projector the desired distance from the screen at a 90 degree angle to the screen.

See page 5 for a table listing screen sizes and distances to the screen.

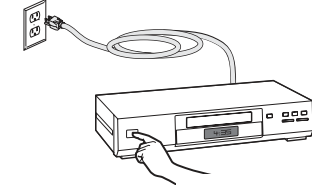
plug in Power cord



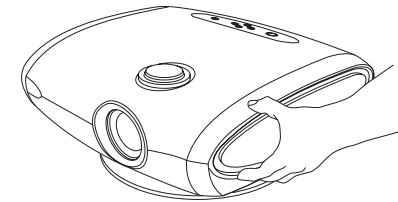
press Power button



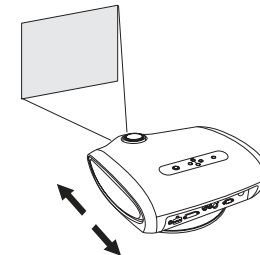
turn on video device



adjust height

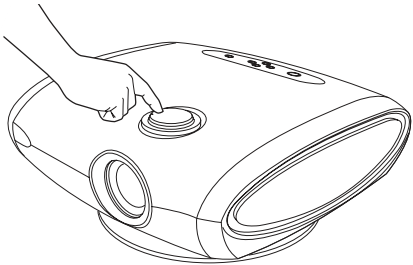


adjust distance



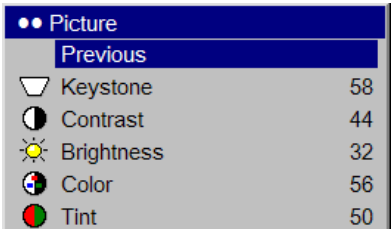
Adjust the zoom and focus.

adjust zoom (outer ring)
and focus



If the image is not square, adjust the keystone using the Picture menu. See page 22 for details.

adjust keystone



Adjust the volume on your stereo receiver.

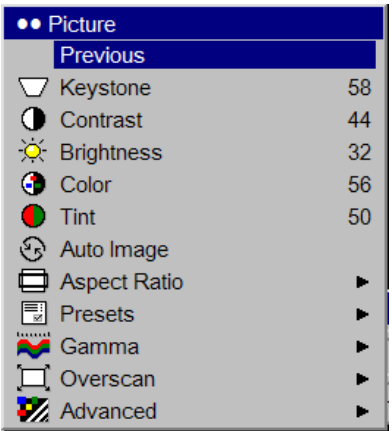
adjust volume



Your projector has been factory optimized for very good performance no matter what the source. However, if you wish to make further changes you can optimize the image using onscreen menus. Adjust the Contrast, Brightness, Color, Tint, or Aspect Ratio in the Picture menu. See page 22 for help with the menus and these adjustments.

For Aspect Ratio, keep in mind that DVD players must be configured for 16:9 in order to view the highest quality image. For more information regarding Aspect Ratio, see page 6.

adjust Picture menu options
including Aspect Ratio



Shutting down the projector

Power Save

The projector also has a Power Save feature that automatically turns the lamp off after no active sources are detected and no user interaction with the projector is performed for 20 minutes. By default, this feature is on. See page 26.

Sleep Timer

The projector also has a sleep timer feature that automatically turns the projector off after 4 hours. See page 26.

Turning off the projector

Press the **Power** button on the remote or keypad to turn the projector off. The lamp turns off and the LED blinks green for one (1) minute while the fans continue to run to cool the lamp. While the LED is blinking green, the projector does not accept any user input. Once the cooling process is complete, the LED lights solid green and you can turn the projector back on, if desired.

NOTE: Once the projector has been turned off, you must wait for one (1) minute before turning the projector on again. This allows the lamp to properly cool. The LED lights solid green when the cooling process is complete.

Troubleshooting your setup

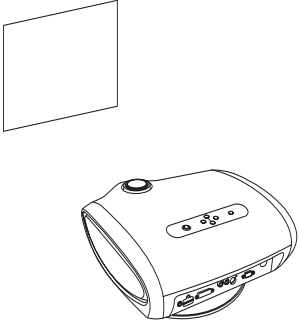
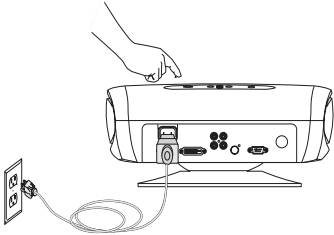
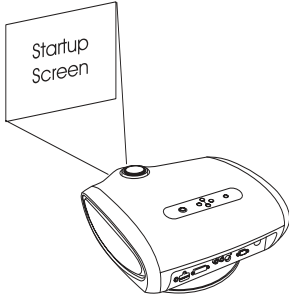
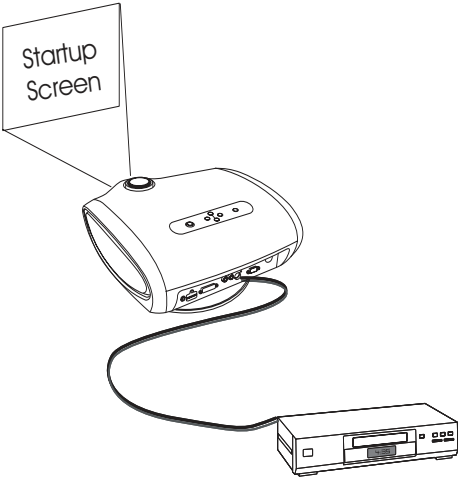

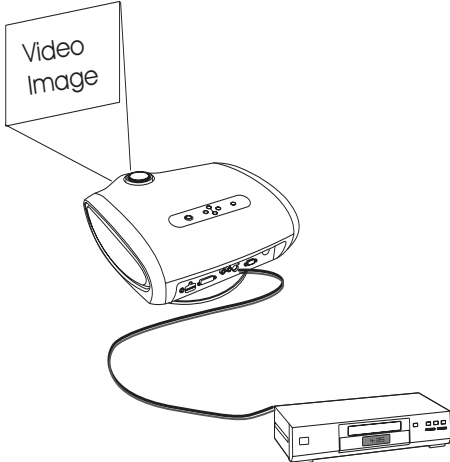
If your image appears correctly on the screen, skip to the next section. If it does not, troubleshoot the setup.

The LED on top of the projector indicates the state of the projector and can help you troubleshoot.

Table 3: LED behavior and meaning

LED color/behavior	Meaning
solid green	The power button has been pressed and the software has initialized or the projector has been powered off.
blinking green	The power button has been pressed and the software is initializing, or the projector is powering down and the fans are running to cool the lamp.
blinking red see page 32 for more information	A fan or lamp failure has occurred. Make sure the vents aren't blocked (see page 16). Turn off the projector and wait one minute, then turn the projector on again. If the projector has exceeded its lamp life (page 29), replace the lamp and reset the lamp timer. Contact Technical Support if the problem persists.
solid red	An unidentifiable error: please contact Technical Support.

The following tables show common problems. In some cases, more than one possible solution is provided. Try the solutions in the order they are presented. When the problem is solved, you can skip the additional solutions.

Problem	Solution	Result
<p data-bbox="65 234 310 264">no start up screen</p> 	<p data-bbox="806 234 1304 298">plug power cord in back of projector press power button</p> <p data-bbox="888 353 1094 382">press power button</p> 	<p data-bbox="1440 234 1629 264">correct image</p> 
<p data-bbox="65 701 449 731">only start up screen appears</p> 	<p data-bbox="806 701 1100 731">connect active source</p> <p data-bbox="806 776 1129 805">press the Source button</p> 	<p data-bbox="1440 701 1667 731">image projected</p> 

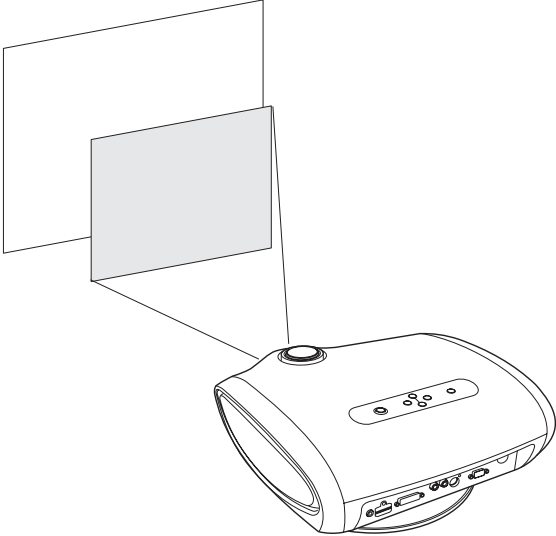
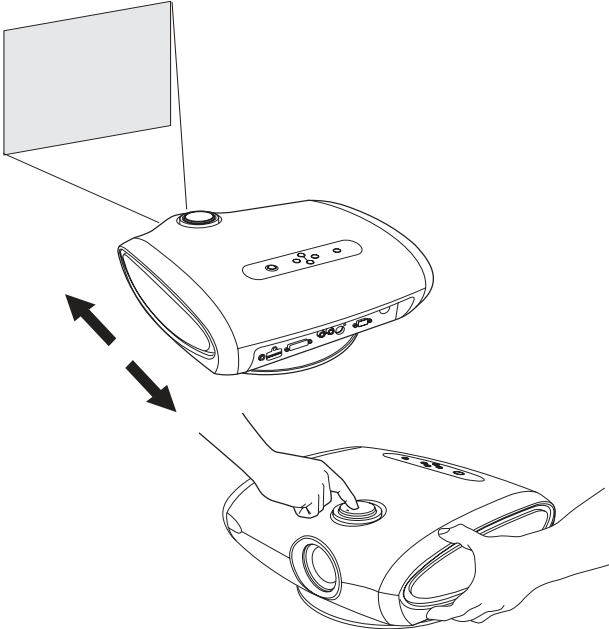
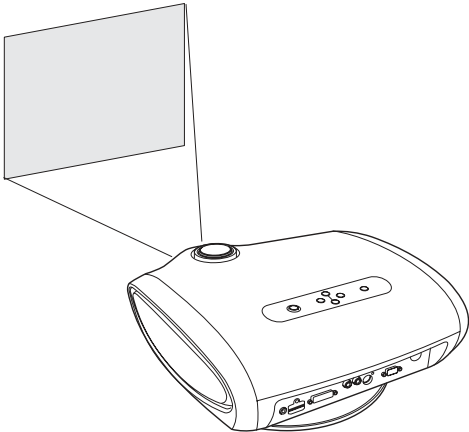
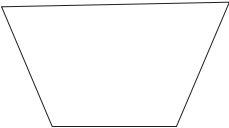
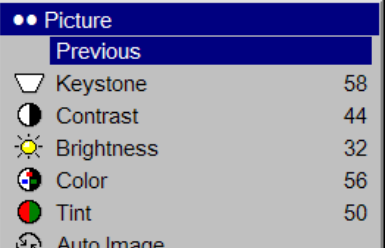

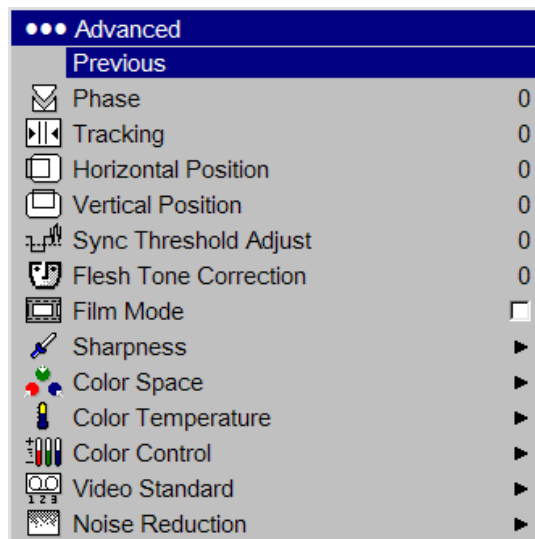
Problem	Solution	Result
<p>image not centered on screen</p> 	<p>move projector, adjust zoom, adjust height</p> 	<p>correct image</p> 
<p>image not square</p> 	<p>tilt the projector up or down or adjust Keystone in Picture menu</p> 	<p>square image</p> 

image not sharp



adjust Sharpness in the Picture>Advanced menu



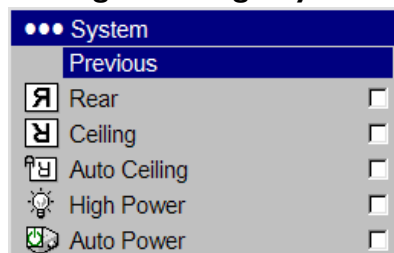
correct image



image upside down



turn off ceiling in Settings>System menu



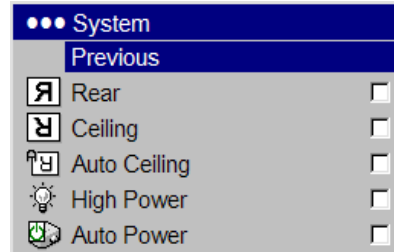
correct image



image reversed left to right



turn off rear in **Settings>System** menu



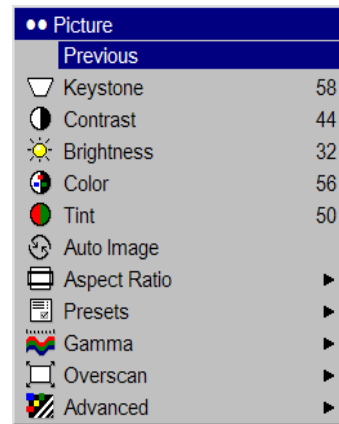
correct image



projected colors don't match source

~~COLOR~~

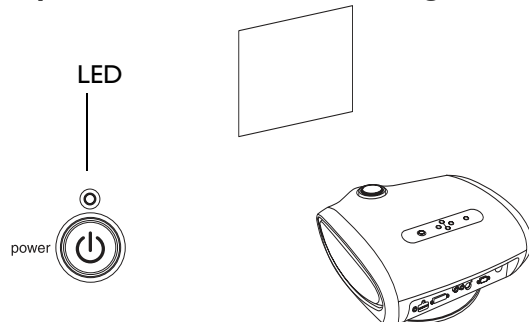
adjust color, tint, color temperature, brightness, contrast in the menus



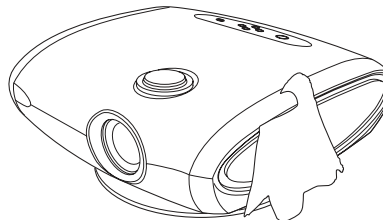
correct image

COLOR

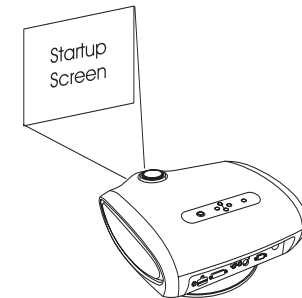
lamp won't turn on, LED blinking red



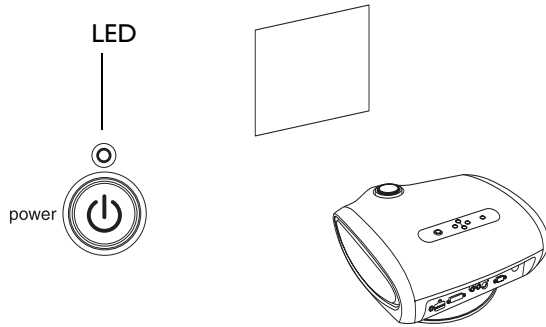
make sure vents aren't blocked, turn off the projector and allow it to cool for one minute



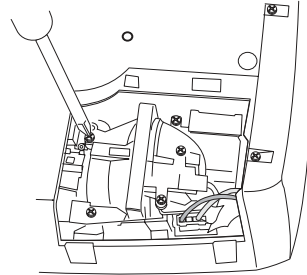
lamp turns on



“Change lamp” message appears at startup or LED blinking red

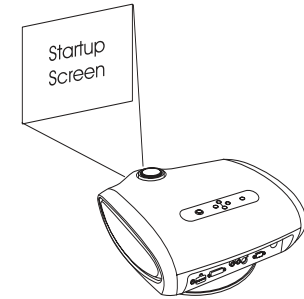


lamp must be replaced (see page 29)



**replace lamp,
reset lamp timer**

message disappears, LED stops blinking red



Still need assistance?

If you need assistance, visit our website at www.infocus.com or call us. See the User's Guide for support contact information. This product is backed by a limited warranty. An extended warranty plan may be purchased from your retailer or dealer.

When sending the projector in for repair, we recommend shipping the unit in its original packing material, or having a professional packaging company pack the unit. Please insure your shipment for its full value.

Using the remote control

The remote uses two (2) provided AA batteries. They are easily installed by sliding the cover off the remote's back, aligning the + and - ends of the batteries, sliding them into place, and then replacing the cover.

To operate, point the remote at the projection screen or at the front of the projector (not at the video device or computer). The range of optimum operation is up to 30 feet (9.14m).

Press the remote's **Menu** button to open the projector's menu system. Use the arrow buttons to navigate, and the **Select** button to select features and adjust values in the menus. See page 21 for more info on the menus.

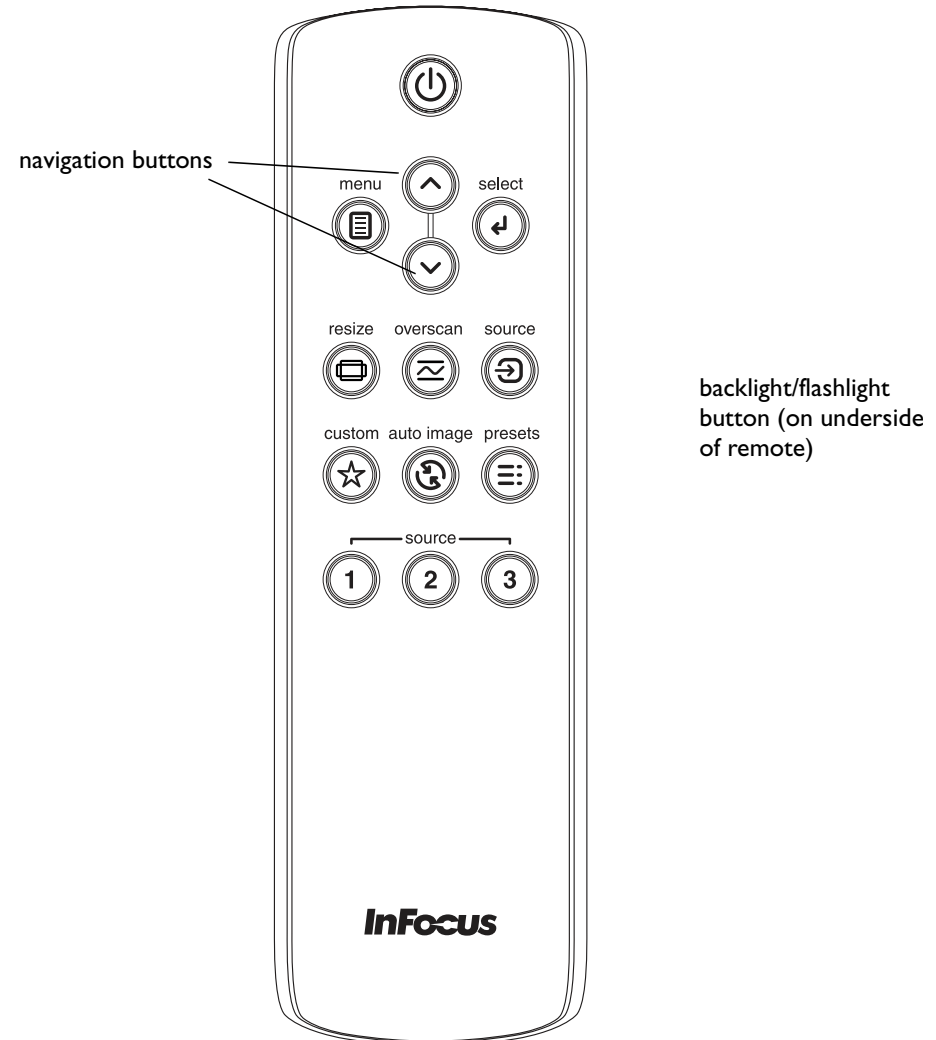
The remote also has:

- **Power** button to turn the projector on and off (see page 12 for shut-down info)
- backlight button to light the remote's buttons in the dark
- **Source** buttons to switch among sources (to assign a particular source to a source button, see page 26) and a source toggle
- **Resize** button to change the Aspect Ratio (see page 22)
- **Auto Image** button to resynch the projector to the source
- **Preset** button to select stored settings (see page 23)
- **Overscan** button to remove noise at the edge of a video image (page 25)
- **Custom** button that can be assigned to a special function, like Blank Screen or Freeze (see page 27).
- **Backlight/Flashlight** button on the underside of the remote. Press this button once to light up the remote, press and hold it to turn on the flashlight.

Troubleshooting the remote

- Make sure the batteries are installed in the proper orientation and are not dead.

- Make sure you're pointing the remote at the front of the projector or at the screen, not at the video device or the computer, and are within the remote range of 30 feet (9.14m).



Using the keypad buttons

Most buttons are described in detail in other sections, but here is an overview of their functions:

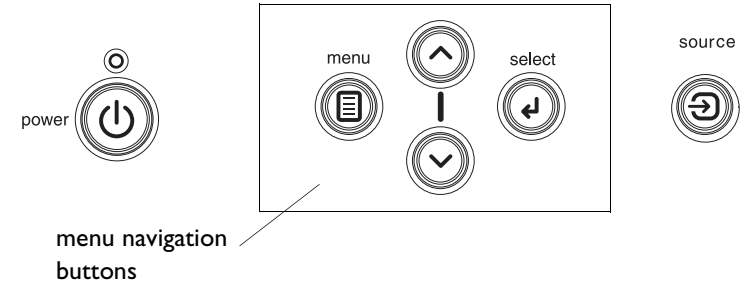
Menu—opens the on-screen menus (page 21).

Select—confirms choices made in the menus (page 21).

Up/Down arrows—navigates to and adjusts settings in the menus (page 21).

Power—turns the projector on and off.

Source—changes the active source.



Optimizing video images

Your projector has been factory optimized for very good performance no matter what the source. However, if you wish to make further changes you can optimize the image using onscreen menus. For general information on using the menus, see page 21.

- Adjust the Keystone, Contrast, Brightness, Color, or Tint in the Picture menu (page 22).
- Select a Sharpness setting (page 24).
- Use the Color Control to adjust the color gain and offset (page 25).
- Adjust the Color Temperature. Select a listed value (page 25).
- Turn on Overscan to remove noise on the edges of the video image (page 25).
- Change the Aspect ratio (page 22). Aspect ratio is the ratio of the image width to image height. TV screens are usually 1.33:1, also known as 4:3. HDTV and most DVDs are 1.78:1, or 16:9 (the projector's default). Choose the option that best fits your input source in the menus, or press the **Resize** button on the remote to cycle through the options. See page 18.
- Select a specific Color Space. See page 24.
- Select a different Video Standard. Auto tries to determine the standard of the incoming video. Select a different standard if necessary. See page 25.
- Make sure your DVD player is set for a 16:9 television. See your DVD player's user's guide for instructions.

Customizing the projector

You can customize the projector for your specific setup and needs. See page 26 to page 28 for details on these features.

- For rear projection, turn rear mode on in the **Settings>System** menu.
- For ceiling mounted projection, turn ceiling mode on in the **Settings>System** menu.
- Turn the projector's display messages on and off.
- Turn on power saving features.
- Specify blank screen colors and start up logos.
- Specify the language viewed on the menus.
- Save settings for the active source as a preset.

Using the menus

To open the menus, press the **Menu** button on the keypad or remote. (The menus automatically close after 60 seconds if no buttons are pressed.) The Main menu appears. Use the arrow buttons to move up and down to highlight the desired submenu, then press the **Select** button.

To change a menu setting, highlight it, press **Select**, then use the up and down arrow buttons to adjust the value, select an option using radio buttons, or turn the feature on or off using check boxes. Press **Select** to confirm your changes. Use the arrows to navigate to another setting. When your adjustments are complete, navigate to Previous or Exit, then press **Select** to go to the previous menu; press the **Menu** button at any time to close the menus.

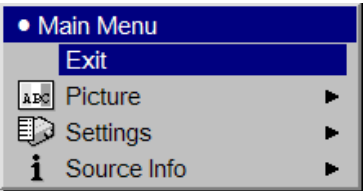
Dots appear before the menu name. The number of dots indicate menu's level, ranging from one (the Main menu) to four (the most nested menus).

The menus are grouped by usage:

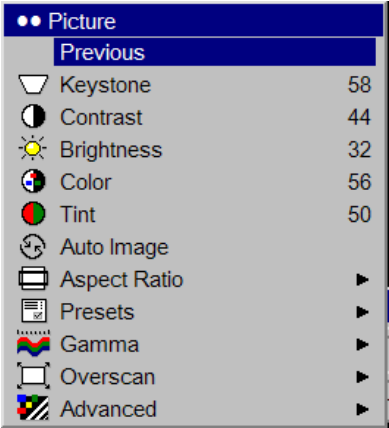
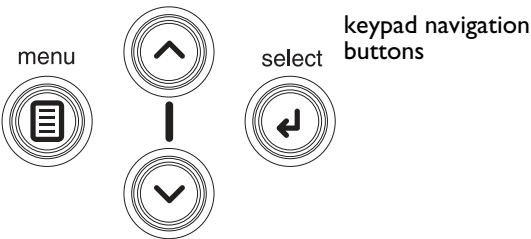
- The Picture menu provides image adjustments.
- The Settings menu provides set-up type adjustments that are not changed often.
- The Source Info menu provides a read-only display of information about the projector and source.

Certain menu items may not be visible or may be grayed depending upon a particular source being connected. Differences are also seen in analog versus digital video sources and interlaced versus progressive sources.

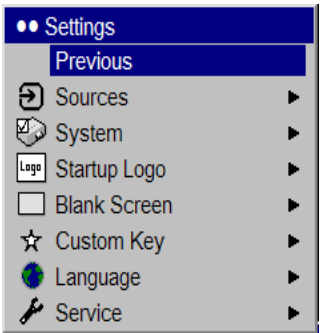
Menu options are grayed out only if the source is selected but no signal is present. For example, if the projector is set to a video source but the source, such as a DVD player, is turned off video menu options are grayed out.



Main menu



Picture menu



Settings menu



Source Info menu

Picture menu

To adjust the following settings, highlight the setting, press **Select**, use the up and down arrows to adjust the values, then press **Select** to confirm the changes.

Keystone: adjusts the image vertically and makes a squarer image. Tilt the projector up or down to adjust for keystone before using the digital keystone correction in the menu.

Contrast: controls the degree of difference between the lightest and darkest parts of the picture.

Brightness: changes the intensity of the image.

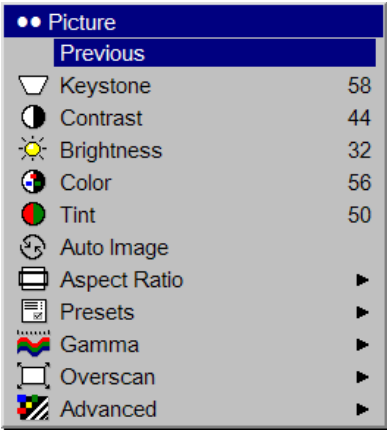
Color: adjusts a video image from black and white to fully saturated color.

Tint: adjusts the red-green color balance in the image of NTSC video images. The tint setting applies to NTSC video sources only.

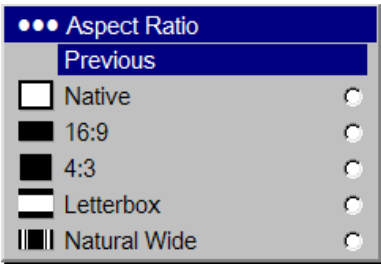
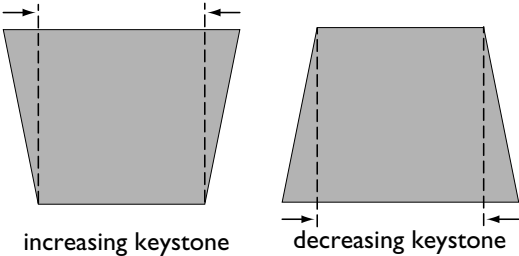
Aspect Ratio: Aspect ratio is the ratio of the image width to image height. TV screens are usually 4:3. HDTV and most DVDs are 16:9. The projector's default is 16:9. See "Choosing the aspect ratio" on page 6 for more information.

Select Native to see the unmodified input with no resizing by the projector. Select 16:9 to watch enhanced widescreen DVDs. Select Letterbox to preserve the 16:9 aspect ratio. If you have a 16:9 source and screen, the image fills the screen. If your source is letterboxed, the image is expanded to fill the screen. Select Natural Wide to stretch a 4:3 image to fill the entire 16:9 screen. The center two-thirds of the image is unchanged; the edges of the image are stretched.

For more information regarding Aspect Ratio, see page 6.



Picture menu



Aspect ratio

Presets: This allows you to customize settings and save the settings to be restored later. To restore the factory default settings, choose Factory Reset in the **Settings>Service** menu.

To set a preset for the current source, adjust the image, select **Save Settings** in the Presets menu, then choose Save User 1, 2, or 3. You can recall these settings in the future by selecting the appropriate user presets. All settings in the Picture menu (except Keystone) are saved and recalled.

Gamma: Gamma tables contain preset intensity configurations optimized for the input source. You can select a gamma table that has been specifically tuned for either film, CRT (Cathode Ray Tube), video, PC, or Bright Room input. (Film input is material originally captured on a film camera, like a movie; video input is material originally captured on a video camera, like a TV show or sporting event.) **White Peaking** increases the brightness of whites that are near 100%.

NOTE: Your viewing preferences may vary. Cycle through the gamma options and pick the one you like the best.

●●● Presets

Previous

Default

User Preset 1

User Preset 2

User Preset 3

Presets Off

Save Settings

Presets

Save User Settings

●●● Save Settings

Previous

Save User Preset 1

Save User Preset 2

Save User Preset 3

●●● Gamma

Previous

CRT

Film

Video

PC

Bright Room

White Peaking

Gamma

Advanced menu

Remember that not all options in the menus are available for all sources/ signals.

Phase: adjusts the horizontal phase of a computer source.

Tracking: adjusts the vertical scan of a computer source.

Horizontal/Vertical Position: adjusts the position of a computer source.

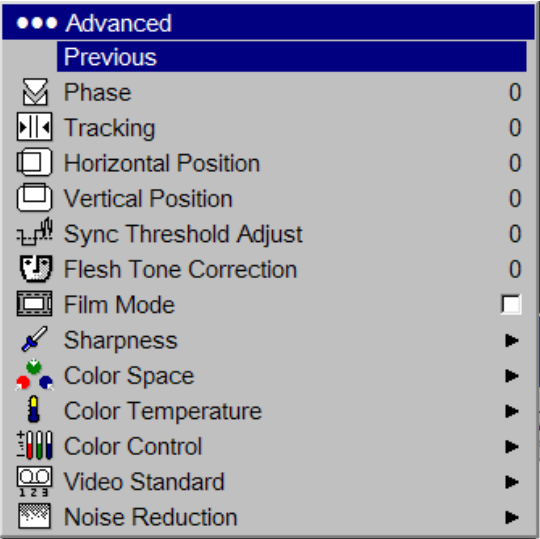
Sync Threshold Adjust: (progressive signals only) If a hardware device, such as a DVD player, is not syncing properly with the projector, adjust this option to help it to sync when connected to the projector.

Flesh Tone Correction: this modifies colors to make the skin complexion better.

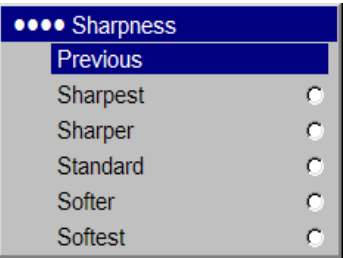
Film Mode: controls deinterlacing and is On by default. When checked, it assumes the incoming signal is film material and optimizes the image accordingly.

Sharpness: (video sources only) changes the clarity of the edges of a video image. Select a sharpness setting.

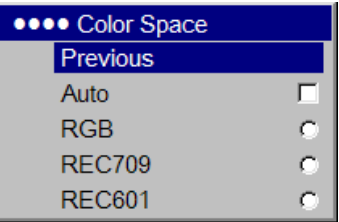
Color Space: This option applies to computer and component video sources. It allows you to select a color space that has been specifically tuned for the input signal. When Auto is selected, the projector automatically determines the standard. To choose a different setting, turn off Auto, then choose RGB for computer sources, choose either REC709 or REC601 for component video sources.



Advanced menu



Sharpness



Color Space

Color Temperature: changes the intensity of the colors. Select a value. Native means an uncorrected/unchanged color temperature. Other values change the white point of the colors. 6500K is generally used for film content and 9300K is used for TV video.

●●●● Color Temperature

Previous

6500K

7500K

9300K

Native

Color Temperature

Color Control: allows you to individually adjust the gain and offset of the red, green, and blue colors. These advanced controls have the same effect as contrast and brightness, but each controls a single color only.

●●●● Color Control

Previous

Red Gain

Green Gain

Blue Gain

Red Offset

Green Offset

Blue Offset

Color Control

Video Standard: when it is set to Auto, the projector attempts to automatically pick the video standard based on the input signal it receives. (The video standard options may vary depending on your region of the world.) If the projector is unable to detect the correct standard, the colors may not look right or the image may appear “torn.” If this happens, manually select a video standard by selecting NTSC, PAL, or SECAM from the Video Standard menu.

●●●● Video Standard

Previous

Auto

NTSC

PAL

SECAM

Video Standard

Overscan: removes noise around the edges of the video image. Select Zoom to remove the outer 3% of the image and scale the image back up to its original size. Select Crop to remove the outer 3% of the image without rescaling the image.

●●● Overscan

Previous

Crop

Off

Zoom

Overscan

Noise Reduction: adjusts signal noise reduction. Choose Enable then adjust the level. The software determines the differences between successive image frames and averages the changes out to reduce the noise.

●●●● Noise Reduction

Previous

Enable

Level

Noise Reduction

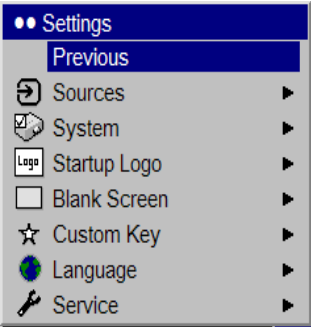
Settings menu

Sources: allows programming of source buttons, enables autosource, and enables the SCART RGB source. When **Autosource** is selected, the **Source Enable** feature indicates which sources the projector attempts to lock onto. You can use the Source Enable feature to eliminate certain sources from this search, which will speed the search. By default, the check boxes for all sources are checked except SCART RGB. Uncheck a source box to eliminate it from the search. When Autosource is not checked, the projector defaults to Component initially, then defaults to whatever the last active source was when the projector was powered down. To display another source, you must manually select one by pressing the **Source** button on the remote or keypad. This cycles through all the sources that are selected in the Source Enable menu.

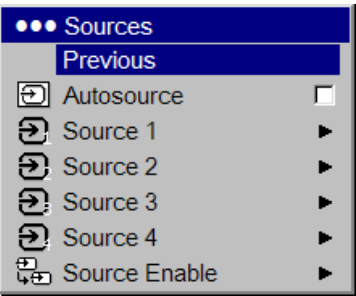
The Source 1, 2, and 3 menus in the Sources menu allow you to assign a source to the Source 1, 2, and 3 buttons on the remote. The Source 4 menu selection would apply to the Custom key if that option is chosen in the Custom key menu, see page 27.

To use the SCART RGB source, you must first select it in the Source Enable menu (the projector cannot automatically detect this source). Enabling SCART will disable Component and Composite sources.

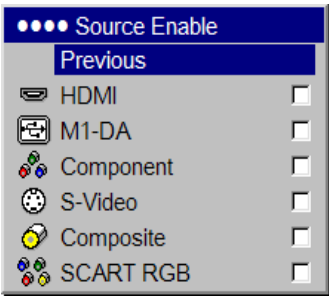
System>Rear: reverses the image so you can project from behind a translucent screen. **Ceiling:** turns the image upside down for ceiling-mounted projection. **Auto Ceiling:** uses an internal sensor to automatically turn on ceiling mount mode if the projector is inverted. **High Power:** maximizes the light output of the lamp. **Auto Power:** When Auto Power is checked, the projector automatically goes into the startup state after the projector receives power. This allows control of ceiling mounted projectors with a wall power switch **Display Messages:** displays status messages (such as "Searching") in the lower-left corner of the screen. **Translucent OSD:** makes the menus translucent. This prevents the image from being completely covered by the menus while you are making image adjustments. **Sleep Timer:** automatically turns off the projector after 4 hours. **Power Save:** automatically turns the lamp off after no signals are detected for 20 minutes. After 10 additional minutes with no signal, the projector powers down. If an active signal is received before the projector powers down, the image is displayed.



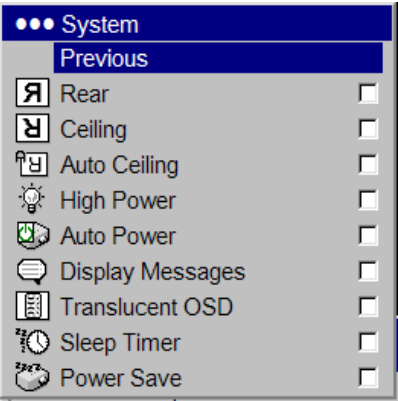
Settings menu



Sources



Source Enable



System menu

Startup Logo: allows you to display a blank screen or a custom captured image (IN72 only) instead of the default screen at startup.

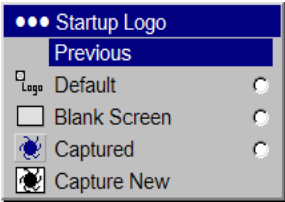
To capture a new image, display the image and select Capture New. A message appears. Select Captured in the Startup Logo menu to display your new image. Note that this feature will not work on interlaced signals.

Blank Screen: determines what color is displayed when you select Blank Screen in the Startup Logo menu and when no source is displayed.

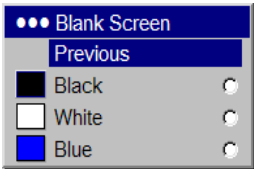
Language: allows you to select a language for the onscreen display.

Custom key: allows you to assign a different function to the Custom key on the remote, allowing you to quickly and easily use the effect. Highlight an effect and press **Select** to choose a different one.

- **Blank Screen:** displays a solid blank image.
- **Freeze:** takes a snapshot of the projected image. If you’re watching video, the source video continues to run but the image is frozen.
- **Source Info:** the default effect. It opens a window with projector and source information.
- **Service Info:** opens the Service info window.
- **Source 4:** selects source 4 (by default, Source 4 is the Composite input). This gives you 4 direct source options on the remote. See page 26.



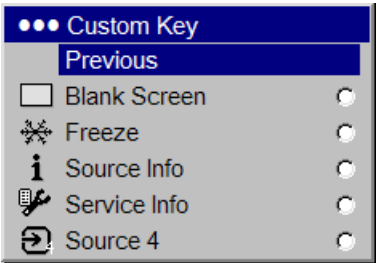
Startup Logo



Blank Screen



Language menu



Custom Key

Service: To use these features, highlight them and press **Select**.

Factory Reset: restores all settings to their default.

Reset Lamp hours: resets the lamp hours used counter in the Service Info menu to zero. Do this only after changing the lamp.

Test Pattern: displays a test pattern. To display test patterns, first you must assign Blank Screen to the Custom key (page 27), then click the Test pattern check box in the Service menu to turn the option on, exit the menus, then press the **Custom** button on the remote. To select the patterns, use the up/down arrows on the remote or keypad. To exit the test patterns, press the **Custom** button.

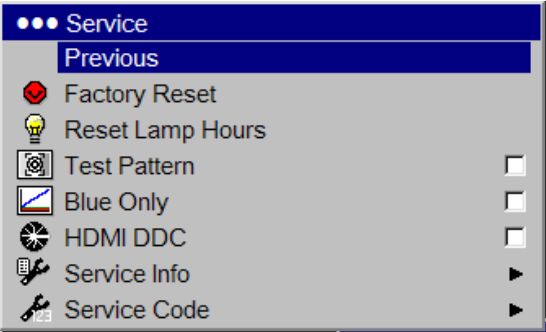
Blue Only: turns off the Red and Green portions of the input, allowing you to properly adjust the color balance with a SMPTE color bar pattern.

HDMI DDC: turns off the EDID extension. Some graphic cards cannot recognize the projector's EDID. Uncheck this box if you have trouble using HDMI or DVI sources.

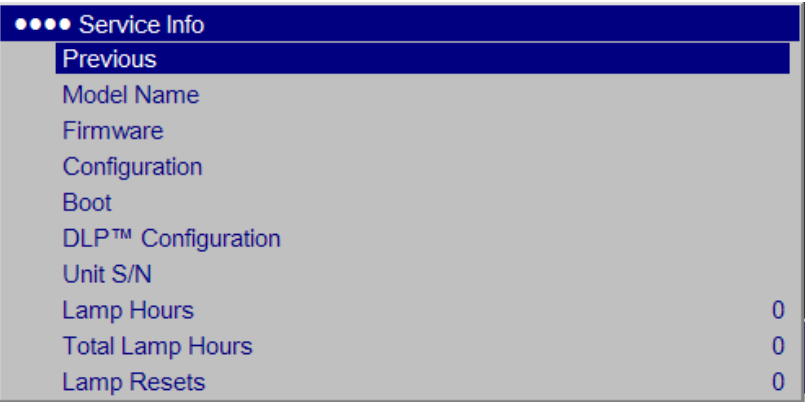
Service Info: provides information about the projector's software, serial number, and lamp.

Service Code: only used by authorized service personnel.

Source Info: provides information about the active source.



Service menu



Service Info



Source Info menu

Maintenance

Cleaning the lens

- 1 Apply a non-abrasive camera lens cleaner to a soft, dry cloth.
 - Avoid using an excessive amount of cleaner, and don't apply the cleaner directly to the lens. Abrasive cleaners, solvents or other harsh chemicals might scratch the lens.
- 2 Lightly wipe the cleaning cloth over the lens in a circular motion.

Replacing the projection lamp

The lamp hours timer in the Service Info menu counts the number of hours the lamp has been in use. Twenty hours before the lamp life expires, a message appears on the screen at startup indicating that you should change the lamp. The LED on top of the projector also blinks red twice to indicate that the lamp should be changed.

NOTE: You can order new lamp housings from www.infocus.com (in select areas), your retailer or your dealer. Use only a replacement lamp with the same type and rating as the original lamp.

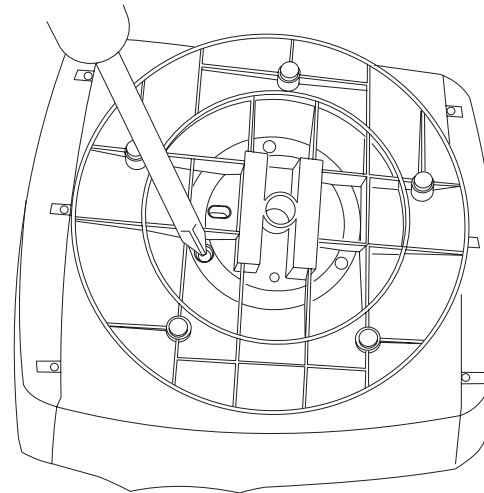
- 1 Turn off the projector and unplug the power cord. If ceiling mounted, disconnect all cables and detach the projector from the ceiling mount.
- 2 Wait 60 minutes to allow the projector to cool thoroughly.
- 3 Turn the projector upside down on a soft cloth so that the lamp door is facing you. Remove the base or ceiling mount plate, if attached, by removing the 3 screws.

Service Info	
Previous	
Model Name	
Firmware	
Configuration	
Boot	
DLP™ Configuration	
Unit S/N	
Lamp Hours	0
Total Lamp Hours	0
Lamp Resets	0

Lamp hours used

turn off and unplug
projector

wait 60 minutes



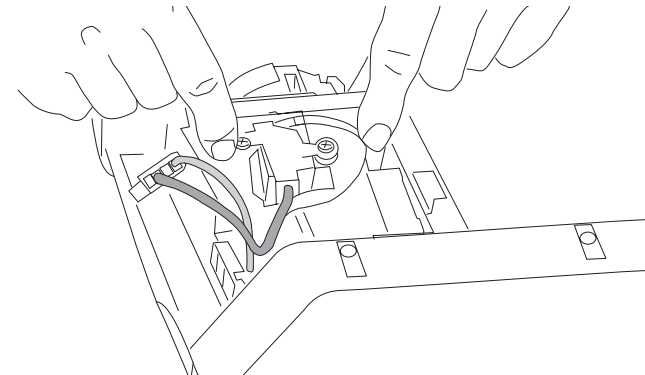
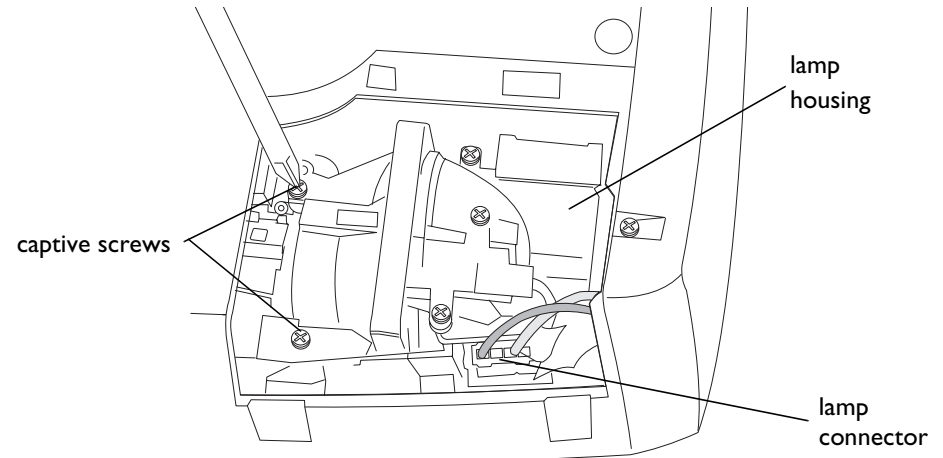
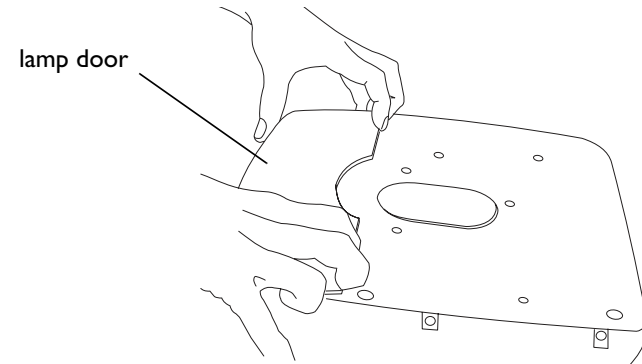
- 4 Push the 2 tabs on the lamp door toward the front of the projector and lift the lamp door off.
- 5 Loosen the two captive screws that attach the lamp housing to the projector.
- 6 Detach the lamp connector from the projector by depressing the locking tab on the connector and lightly pulling it free.

WARNING:

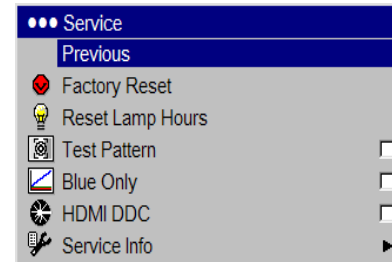
To avoid burns, allow the projector to cool for at least 60 minutes before you replace the lamp.

Be extremely careful when removing the lamp housing. In the unlikely event that the bulb ruptures, small glass fragments may be generated. The lamp housing is designed to contain these fragments, but use caution when removing the lamp housing. Before replacing the lamp, clean the lamp compartment and dispose of cleaning materials. Wash hands after lamp replacement. This product has a lamp which contains a very small amount of mercury. Dispose of it as required by local, state or federal ordinances and regulations. For more information see www.eiae.org.

- 7 Carefully remove the lamp housing. Dispose of the lamp in an environmentally proper manner.
- 8 Install the new lamp housing and tighten the screws.
- 9 Re-attach the lamp connector to the projector. The locking tab should engage when the connector is fully plugged in.



- I0** Replace the lamp door.
- I1** Replace the base or ceiling mount plate, if necessary.
- I2** Plug in the power cord and press the **Power** button on the remote or keypad to turn the projector back on.
- I3** To reset the lamp hour timer, navigate to the **Settings>Service** menu and select **Reset Lamp Hours**. See page 28 for details.



Service menu

Appendix

Red LED behavior and projector errors

If the projector is not functioning properly and the LED is blinking red, consult **Table 4** to determine a possible cause. There are two-second pauses between the blinking cycles. Visit our website for more details on the red LED error codes.

Table 4: LED Behavior

Red LED Behavior	Explanation
One (1) blink	The lamp won't strike after five (5) attempts. Check the lamp and lamp door installations for loose connections.
Two (2) blinks	The lamp counter hours have exceeded lamp life hours. Replace the lamp and reset the lamp hours counter.
Three (3) blinks	The projector has shut down. Check to see if the lamp door is open. If the lamp door is closed, toggle off the projector and wait one minute, then toggle the projector on again. If the lamp does not strike after one minute, replace the lamp. Contact Technical Support for repair if replacing the lamp does not solve the problem.
Four (4) blinks	The fan has failed. Contact Technical Support for repair or replacing the fan.
Five (5) blinks	The projector is overheating. Check for a blocked air vent (page 16). Contact Technical Support for repair if clearing the vents/screens does not solve the problem.

Remote control discrete codes

You can use these codes to program another remote to learn the projector's remote functions.

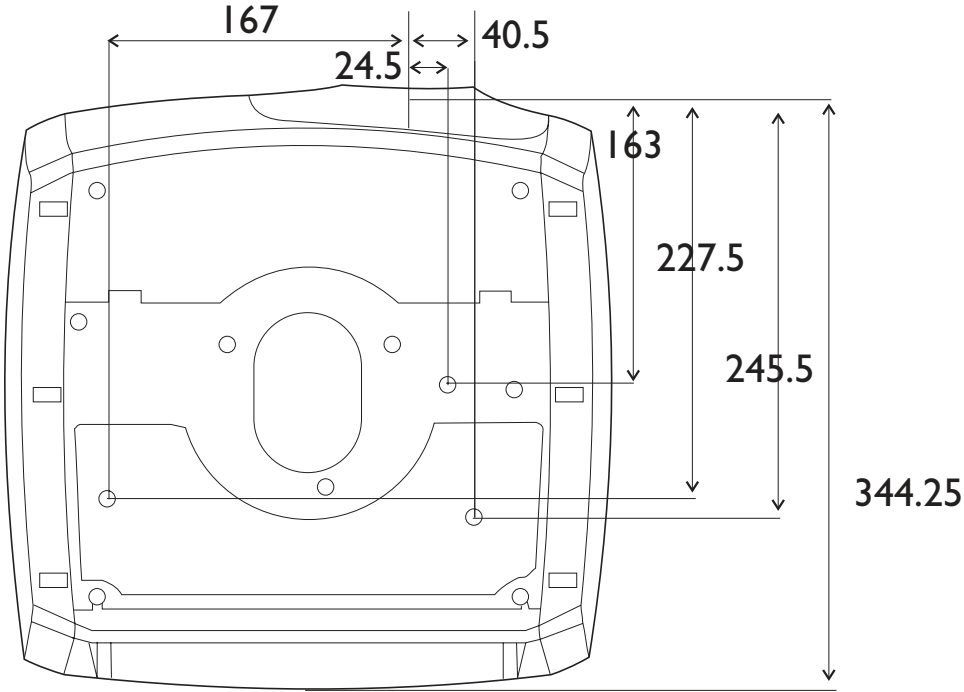
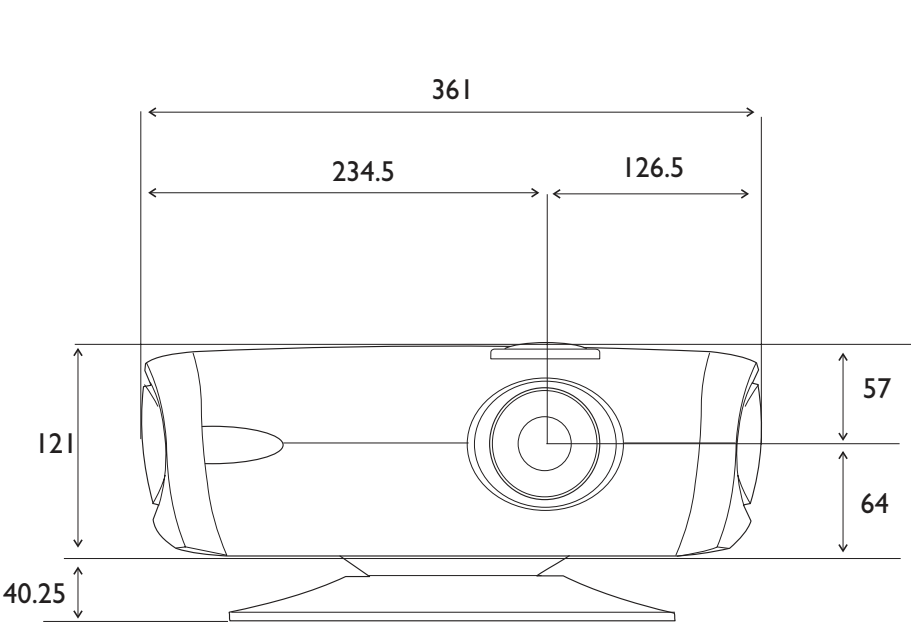
To activate discrete mode, press and hold the **Custom** button on the remote for 10 seconds. The back light blinks twice when discrete mode is entered. The remote buttons are now remapped to new functions as listed below. To return to normal remote mode, press and hold the **Custom** button on the remote for 10 seconds. The remote also returns to normal mode automatically if no activity is detected for 2 minutes.

Table 5: Remote control discrete codes

Function	Description	Remote button
Power off	turns power off	Nav Up
Power on	turns power on	Nav Down
Native resize	selects Native resize	resize
16:9 resize	selects 16:9 resize	overscan
4:3 resize	selects 4:3 resize	source
Letterbox resize	selects letterbox resize	custom
Natural wide resize	selects natural wide resize	auto image
User preset 1	selects user preset 1	Source 1
User preset 2	selects user preset 2	Source 2
User preset 3	selects user preset 3	Source 3

Projector dimensions for ceiling mount installations

All values in millimeters (mm).



Supported video formats

Connector	Signal Type	Supported formats
HDMI	Digital RGB and YCrCb	480i/50Hz/60Hz 480p/50Hz/60Hz
M1-DA	Digital RGB video via M1-to-DVI cable	576i/50Hz/60Hz
	Analog RGB video via M1-to-VESA cable	576p/50Hz/60Hz
	YPrPb video via M1-to-Component adapter	720p/50Hz/60Hz 1080i/50Hz/60Hz 1080i/50Hz (Australia)
	Analog Computer via M1-to-VESA cable	All industry-standard analog and digital computer formats conforming to VESA standards
	Digital Computer via M1-to-DVI cable	
Component	YPrPb	480i/p/50Hz/60Hz 576i/p/50Hz/60Hz 720p/50Hz/60Hz 1080i/50Hz/60Hz 1080i/50Hz (Australia) 1080p/24 1080p/60 (sub-sampled)
Composite	Composite Video	NTSC: M, 4.43
S-video	S-VHS Y/C	PAL: B,G,H,I,M,N SECAM: M
RGBS	RGB-C or RGB-S via SCART-to-4 wire RGB adapter cable	SCART-RGB (576i/p)

RS-232 terminal specifications for IN74 and IN76

Communication configuration

To control the projector from an LCD control panel, connect an RS-232 cable to the serial control connector on the projector and set your computer's serial port settings to match this communication configuration:

Setting	Value
Bits per second	19,200
Data bits	8
Parity	None
Stop bits	1
Flow control	None
Emulation	VT100

Command format

All commands consist of 3 alpha characters followed by a request, all enclosed in parentheses. The request can be a read request (indicated by a "?") or a write request (indicated by 1 to 4 ASCII digits).

A read request format: (AAA?) where

- (starts the command
- AAA denotes the command
- ? denotes the read request
-) ends the command

A read command returns the range and the current setting, for example:

Function	Command	Response
Brightness	(BRT?)	(0-22, 10)
Lamp hours	(LMP?)	(0-9999, 421)

A write request example: (AAA####) where

- (starts the command
- AAA denotes the command
- #### denotes the value to be written (leading zeros not necessary)
-) ends the command

Some commands have ranges, while others are absolute. If a number greater than the maximum range is received, it is automatically set to the maximum number for that function. If a command is received that is not understood, a "?" is returned. With absolute settings, "0" is off, 1-9999 is on. The one exception is the Power command, where 0 is off and 1 is on.

Function	Command	Response
Brightness	(BRT10)	Sets the brightness to 10
Power	(PWR0)	Turns power off
Power	(PWR1)	Turns power on
Power	(PWR9999)	?

Supported commands

Function	Command	Range	Default
Auto Ceiling Enable	ACL	0-1	0
Auto Color Space enable	ACS	0-1	1
Auto Image	AIM	0-1	0
Aspect Ratio	ARZ	0-4 0 = Native 1 = 4:3 2 = 16:9 3 = Letterbox 4 = Natural Wide	1
Auto Power Enable	APO	0-1	0
Auto Source Enable	ASC	0-1	1
Auto Video Standard Enable	AVS	0-1	1
Blank	BLK	0-1	0
Blank Screen Enable	BLK	0-1 0 = black 1 = blue	0
Blue Color Offset	BCO	1-255	128
Blue Gain	BCG	1-255	128
Blue Only Enable	BOE	0-1	0
Brightness	BRT	0-255	128
Ceiling	CEL	0-1	0
Color	CLR	0-100	50
Color Space	CSM	0-2 0 = RGB 3 = REC709 2 = REC601	0

Color Temp	TMP	0-3 0 = 6500 1 = 7500 2 = 9300 3 = Native	0
Contrast	CON	0-255	128
Display Messages	DMG	0-1	1
Factory Reset (Write only)	RST	0-1	n/a
Flesh Tone Correction	FTC	0-1	0
Gamma Table	GTB	0-8 2 = Video 3 = Film 5 = Bright Room 7 = CRT 8 = PC	3
Green Color Offset	GCO	0-255	128
Green Gain	GCG	0-255	128
High Power Enable	HPE	0-1	0
Horizontal Position	HPS	n/a	n/a
Vertical Keystone	DKC	0-80	40
Lamp Hours (Read only)	LMP	0-65535	0
Number of Lamp Resets	LMR	0-65535	0
Menu Enable	MNU	0-1	0
Menu Navigation	NAV	0-3 1 = up 2 = down 3 = select	n/a

Language	LAN	0-11	0
		0 = English	
		1 = French	
		2 = German	
		3 = Italian	
		4 = Japanese	
		5 = Korean	
		6 = Norwegian	
		7 = Portuguese	
		8 = Russian	
		9 = Chinese Simplified	
		10 = Spanish	
		11 = Chinese Traditional	
Noise Reduction Mode	NRE	0-1	0
		0 = Off	
		1 = Auto	
Noise Reduction Level	NRL	8-248	128
Overscan	OVS	0-2	0
Phase	MSS	0-100	50
Power Enable	PWR	0-1	0
Power Save Enable	PSV	0-1	0
Presets	PST	0-5	0
		0 = default	
		1 = User 1	
		2 = User 2	
		4 = Off	
Rear Project	REA	0-1	0
Red Color Offset	RCO	0-255	128
Red Gain	RCG	0-255	128
Sharpness	SHP	0-4	2

Sleep Timer	SLT	0-1	0
Sync Threshold Adjust	STH	1-15	8
Source	SRC	0-5	2
		0 = HDMI	
		1 = MI-DA	
		2 = Component	
		3 = S-Video	
		4 = Composite	
		5 = SCART RGB	
Source 1 Program	SR1	0-5	0
Source 2 Program	SR2	0-5	2
Source 3 Program	SR3	0-5	3
Source 5 Program	SR4	0-5	3
Startup Logo	DSU	0-2	2
Tint	TNT	2-98	50
Film Mode Auto Detect	TTO	0-1	1
Tracking	MTS	0-100	50
Total number of successful Strike Attempts	SSA	0-65535	0
Screen Trigger Enable	STE	0-1	1
System State	SYS	0-17	0
Translucent OSD	TOE	0-1	1
Test Pattern Enable	TPO	0-1	0
Test Pattern Select	TPS	0-9	0
Total number of Strike Attempts	TSA	0-65535	0
Vertical Position	VPS	0-100	50

Video Standard	VSU	0-9 0 = Auto 1 = NTSC 2 = PAL 5 = SECAM	0
White Peaking	WPK	0-10	1
Save User 1 Preset	US1	0-1	0
Save User 2 Preset	US2	0-1	0
Save User 3 Preset	US3	0-1	0
Logo Capture Enable	CAP	0-1	0
Source Enable 0	CE0	0-1	0
Source Enable 1	CE1	0-1	0
Source Enable 2	CE2	0-1	0
Source Enable 3	CE3	0-1	0
Source Enable 4	CE4	0-1	0
Source Enable 5	CE5	0-1	0
Logo Capture Compress	COM	0-1	0
Logo Capture Compression Progress Count	CPC	0-480	0
Current Subsource	CRS	0-7	0
Power-up Source	DSC	0-5	2
Effect Key Program	EFK	0-11	8
System Error Code	ERR	0-7	0
Freeze Enabled	FRZ	0-1	0
Lamp Power	IPM	0-1	0
Time in Hours Last Bulb 1 Lasted	LBI	0-65535	0

Time in Hours Last Bulb2 Lasted	LB2	0-65535	0
Time in Hours Last Bulb3 Lasted	LB3	0-65535	0
Illuminating State	LML	0-2	0
Lamp Total Time On in hours for all bulbs	LMT	0-65535	0
Perform Lamp Reset	LRT	0-1	0
Number of times unit has been turned on	O00	0-65535	0
Number of times unit has been turned on for at least 30 minutes	O30	0-65535	0
Number of times unit has been turned on for at least 60 minutes	O60	0-65535	0
Number of times unit has been turned on for at least 90 minutes	O90	0-65535	0
Time in minutes unit has been turned on	ONC	0-4294967295	0
Time in minutes unit is currently on	ONL	0-4294967295	0
Time in minutes unit was previously turned on	ONP	0-4294967295	0

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SAFETY INSTRUCTIONS

Please read and follow all safety instructions provided in this safety booklet and the User's and Reference Guides BEFORE using your projector. Failure to comply with safety instructions may result in fire, electrical shock, or personal injury and may damage or impair protection provided by equipment. Please save all safety instructions.

Safety Definitions

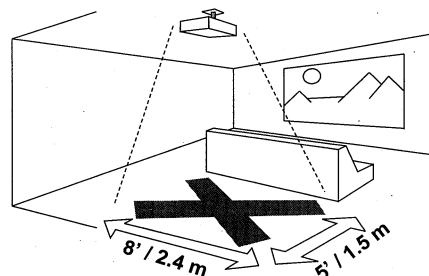
- **Warning:** Statements identify conditions or practices that could result in permanent personal injury.
- **Caution:** Statements identify conditions or practices that could result in damage to your equipment.

Safety Terms



- **To replace the lamp,** unplug the power cord. Wait 60 minutes before opening the lamp door. Follow the instructions in the Reference Guide.

- **Warning:** Do not look directly into the lens when the projector is turned on.
- **Warning:** Please use the power cord provided. Connect the power cord to a receptacle with a protective safety (earth) ground terminal.
- **Warning:** Refer all service to qualified service personnel. Servicing your own projector can be dangerous to you and will void the warranty.
- **Caution:** Do not subject projector to prolonged exposure to smoke.
- **Caution:** Do not set liquids on the projector. Spilled liquids may damage your projector.
- **Caution:** Do not place the projector on a hot surface or in direct sunlight.
- **Caution:** Do not drop the projector. Transport the projector in an approved case; see our website for a list of cases.
- **Caution:** Do not block ventilation openings. Use of an unauthorized ceiling mount may lead to ventilation blockage.
- **Warning:** Use of an unauthorized ceiling mount may lead to personal injury.
- **Warning:** This product has a lamp which contains a very small amount of mercury. Wash hands after cleaning the area and handling the ruptured lamp. Dispose of it as required by local, state or federal ordinances and regulations. For more information see www.eiae.org.
- **Warning:** In the unlikely event of a lamp rupture, particles may exit through the projector side vents. When the projector is turned on, keep people, food, and drinks out of the "keep out" area under and around the projector, as indicated by the "X" areas below.



CONSIGNES DE SÉCURITÉ

Veuillez lire et suivre les consignes de sécurité figurant dans cette brochure sur la sécurité, le Mode d'emploi et le Guide de référence AVANT la mise en place du projecteur. Toute infraction à ces consignes de sécurité peut entraîner un incendie, l'électrocution ou des blessures et endommager ou entraver les dispositifs de protection intégrés dans l'équipement. Veuillez conserver toutes les consignes de sécurité.

Définitions des termes employés

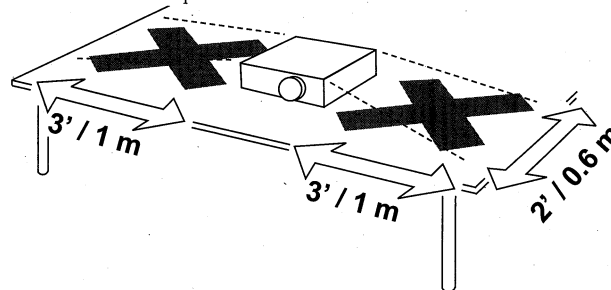
- **Avertissement :** les énoncés précisent les circonstances ou les méthodes qui pourraient entraîner des blessures.
- **Attention :** les énoncés précisent les circonstances ou les méthodes qui pourraient endommager l'appareil.

Mesures de sécurité



- **Pour remplacer la lampe de projection,** débrancher le cordon d'alimentation. Laisser le projecteur refroidir pendant au moins 60 minutes avant d'ouvrir la trappe d'accès de l'ampoule. Respecter les consignes figurant dans le Guide de référence.

- **Avertissement :** ne pas regarder l'objectif de projection en face lorsque le projecteur est allumé.
- **Avertissement :** toujours utiliser le cordon d'alimentation livré avec le projecteur.
- **Avertissement :** pour toute révision/réparation, confier l'équipement à un personnel qualifié. Toute réparation effectuée par l'utilisateur annule la garantie.
- **Attention :** ne pas exposer le projecteur à la fumée pendant une durée prolongée.
- **Attention :** ne pas poser de boissons sur le projecteur. Les liquides renversés peuvent pénétrer dans l'appareil et y causer des dégâts.
- **Attention :** ne pas placer le projecteur sur une surface chaude ou exposée à la lumière directe du soleil.
- **Attention :** veiller tout particulièrement à ne pas le faire tomber. Transporter le projecteur dans un emballage recommandé par le distributeur ; voir la liste d'emballages sur notre site Internet.
- **Attention :** ne pas obstruer la ventilation. Une installation au plafond non autorisée risque d'obstruer la ventilation.
- **Avertissement :** L'utilisation d'un montage au plafond non autorisé peut entraîner des blessures aux personnes se trouvant à proximité.
- **Avertissement :** Cet appareil est doté d'une lampe qui contient une très petite quantité de mercure. Lavez-vous les mains après avoir nettoyé la zone et manipulé la lampe brisée. Mettez-la au rebut conformément aux réglementations et ordonnances locales, nationales ou fédérales en vigueur. Pour de plus amples informations, voir www.eiae.org.
- **Avertissement :** Dans le cas peu probable d'une rupture de la lampe, des particules peuvent sortir par les événements d'évacuation latéraux du projecteur. Quand le projecteur est activé, éloignez toute personne, nourriture et boisson de l'espace « interdit » situé sous et autour du projecteur comme indiqué par les zones marquées « X » ci-dessous.



Limited Warranty

Subject to the Limitations, Exclusions and Disclaimers hereof, InFocus Corporation ("InFocus") warrants that the Projector, Lamps and Accessories (hereinafter collectively or individually referred to as "Product" as appropriate) will conform to InFocus' specifications and be free from defects in material or workmanship for the respective Limited Warranty period provided below. If the Product, while subject to this Limited Warranty, is defective in material or workmanship during the warranty period, then InFocus, at its option, will REPAIR or REPLACE the Product. InFocus' sole obligation is to supply (or pay for) all labor necessary to repair the Product found to be defective within the Limited Warranty period and to repair or replace defective parts with new parts or, at the option of InFocus, serviceable used parts that are equivalent or superior to new parts performance.

Limited Warranty periods are as follows:

- Projector Product Limited Warranty Period (Excluding Lamps): One (1) year from date of proof of purchase.
- Lamp Product Limited Warranty Periods: The original installed lamp shall have a ninety (90) day Limited Warranty Period from date of Projector proof of purchase, and replacement Lamps will have a ninety (90) day limited warranty from date of lamp proof of purchase, and replacement lamps purchased at the time of Projector Product purchase will have a ninety (90) day limited warranty from date of first use.
- Accessory Product Limited Warranty Period: ninety (90) days from date of purchase.

WARRANTY LIMITATION AND EXCLUSION

THIS WARRANTY SETS FORTH INFOCUS' MAXIMUM LIABILITY FOR ITS PRODUCT. THIS WARRANTY EXTENDS ONLY TO PRODUCTS PURCHASED FROM INFOCUS OR AN INFOCUS AUTHORIZED RESELLER. InFocus shall have no further obligation under the foregoing Limited Warranty if the Product has been damaged due to abuse, misuse, accident, service other than by InFocus or its authorized agents, or failure caused other than from ordinary use or failure to properly use the Product in the application for which said Product was intended. In addition, failure of the end-user to follow maintenance procedures as outlined in the product's user guide, will not be covered under this Warranty. Finally, InFocus shall have no further obligation if InFocus product was subjected to operating conditions outside of the range specified in the user's guide or in this warranty. 'Normal operating conditions' are defined as use not in excess of 16 hours continuously per day with a minimum 8 hour period of continuous rest in the powered off state. This warranty does not cover maintenance/repair/replacement of parts due to normal wear and tear. The warranty period for LCD engines is either 1 year from the date of purchase of the projector or 2500 hours of projector usage, whichever comes first.

Remanufactured Products and Software Products are exempt from the foregoing Limited Warranty. Please refer to the appropriate Remanufactured Product Limited Warranty or Software Product Limited Warranty for applicable Warranty information.

DISCLAIMER OF UNSTATED WARRANTIES

THE WARRANTY PRINTED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE ARE DISCLAIMED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF AND THE FOREGOING WARRANTY SHALL NOT BE EXTENDED, ALTERED OR VARIED EXCEPT BY WRITTEN INSTRUMENT SIGNED BY INFOCUS. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY MAY LAST, SO SUCH LIMITATIONS MAY NOT APPLY TO YOU.

Limited Warranty Period

The Limited Warranty periods hereof commence on the date of proof of purchase by the end-user customer. SOME JURISDICTIONS MAY GRANT YOU CONSUMER RIGHTS WITH MINIMUM WARRANTY DURATION THAT DIFFER FROM THE DURATIONS PROVIDED HEREIN, AND INFOCUS WILL HONOR ALL SUCH CONSUMER RIGHTS UPON PROOF OF PURCHASE IN THAT JURISDICTION.

To Obtain Warranty Service

During the Limited Warranty period, to exercise this Limited Warranty, the purchaser must first contact 1) InFocus, 2) a service facility authorized by InFocus or 3) the place of original purchase.

InFocus Customer Service in the Americas 1-800-799-9911 or 503-685-8888 or www.infocus.com/service, In Europe, Middle East, and Africa +31 (0) 20 579 2820, and in Asia Pacific +65 6353 9449.

For Warranty service, the purchaser will pay to return or deliver the defective Product and will pay all freight, duty, taxes, VAT, fees, incidental clearance and customs charges to ship the unit to an InFocus Service Center or to a service facility authorized by InFocus. When returning Product to InFocus, a Return Material Authorization Number (RMA #) is required and must be clearly displayed on the outside of the shipping carton or a similar package affording an equal degree of protection. InFocus or the service facility authorized by InFocus will return the repaired/replaced Product freight prepaid to the purchaser.

LIMITATION OF LIABILITY

IT IS UNDERSTOOD AND AGREED THAT INFOCUS' LIABILITY SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY PURCHASER Where applicable national law prohibit the exclusion or limitation of liability, InFocus excludes or limits its liability to the maximum extent permitted by national law.

Limitation on Bringing Action - No action, regardless of form, arising out of the agreement to purchase the Product may be brought by purchaser more than one year after the cause of action has accrued.

Governing Law - Any action, regardless of form, arising out of the agreement to purchase the Product is governed by the laws of the state of Oregon, USA.

Mandatory Arbitration - Any action, regardless of form, arising out of the agreement to purchase the Product is subject to mandatory arbitration. THIS WARRANTY DOES NOT AFFECT YOUR LEGAL RIGHTS UNDER APPLICABLE NATIONAL LAWS RELATING TO THE SALE OF CONSUMER PRODUCTS.

To view our privacy policy, please visit
www.infocus.com/privacy.

Important Note for Windows users:
Inserting this CD-ROM will install
product registration software.

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IN74
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Registration
Reference Guide
Online resources

Registrierung
Referenzanleitung
Online-Ressourcen

Inscription
Guide de référence
Ressources en ligne

Registro
Manual de referencia
Recursos en línea

Reference Guide Languages:

English	Русский
Français	日本語
Deutsch	繁體中文
Español	简体中文
Italiano	한글
Norsk	
Nederlands	
Português	

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